



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 1718

**TO:** Nita M Minnifield  
**Location:** rem/3C01/3C18  
**Art Unit:** 1645  
**Tuesday, November 29, 2005**  
  
**Case Serial Number:** 10/774602

**From:** Mary Jane Ruhl  
**Location:** Biotech-Chem Library  
Remsen 1-A-62  
**Phone:** 571-272-2524  
  
**maryjane.ruhl@uspto.gov**

### Search Notes

Examiner Minnifield,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl  
Technical Information Specialist  
STIC  
Remsen 1-A-62  
Ext. 22524

*Reviewed  
12/05  
MM*

Digitized by srujanika@gmail.com

STIC-Biotech/ChemLib

171890

mg

From: Minnifield, Nita  
Sent: Thursday, November 17, 2005 11:48 AM  
To: STIC-Biotech/ChemLib  
Subject: interference search request

RECEIVED  
NOV 17 2005

SEARCHED, INDEXED,  
(STIC)

10/774602

STIC

Please do an interference sequence search on SEQ ID NO:11-14 of this application.

Please provide a paper copy of all results.

Thanks,  
Minnifield  
71976  
Art Unit 1645  
Office REM-3C01  
Mailbox REM-3C18  
571-272-0860

\*\*\*\*\*  
Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA#: \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

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OM protein - protein search, using sw model.

Run on: November 22, 2005, 20:24:59 ; Search time 2.71074 Seconds  
(without alignments)  
17.088 Million cell updates/sec

Title: US-10-774-602-14  
Perfect score: 204  
Sequence: 1 MLLHYVSSKDKENNSKEND.....VLDEKEEEAEETEEPEELEEK 41

Scoring table: BLOSUM62  
Gapext 10.0 , Gapext 0.5

Searched: 8323 seqs, 1129788 residues

Total number of hits satisfying chosen parameters: 8323

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA\_New.\*

1: /cgn2\_6\_ptodata/1/pubpara/US10\_NEW\_PUB.pep:\*

2: /cgn2\_6\_ptodata/1/pubpara/US06\_NEW\_PUB.pep:\*

3: /cgn2\_6\_ptodata/1/pubpara/US07\_NEW\_PUB.pep:\*

4: /cgn2\_6\_ptodata/1/pubpara/US08\_NEW\_PUB.pep:\*

5: /cgn2\_6\_ptodata/1/pubpara/US09\_NEW\_PUB.pep:\*

6: /cgn2\_6\_ptodata/1/pubpara/PCT\_NEW\_PUB.pep:\*

7: /cgn2\_6\_ptodata/1/pubpara/US11\_NEW\_PUB.pep:\*

8: /cgn2\_6\_ptodata/1/pubpara/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**RESULT 1**  
US-10-131-826A-370 ; Application US10131826A

; Sequence 370, Application US10131826A

; Publication No. US20050245730A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritzen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

; FILE REFERENCE: P2330RIC12B

; CURRENT APPLICATION NUMBER: US/10/131-826A

; CURRENT FILING DATE: 2002-04-24

; PRIORITY APPLICATION NUMBER: 60/049911

; PRIORITY FILING DATE: 1997-06-18

; PRIORITY APPLICATION NUMBER: 60/056974

; PRIORITY FILING DATE: 1997-08-26

; PRIORITY APPLICATION NUMBER: 60/059113

; PRIORITY FILING DATE: 1997-09-17

; PRIORITY APPLICATION NUMBER: 60/059115

; PRIORITY FILING DATE: 1997-09-17

; PRIORITY APPLICATION NUMBER: 60/059117

; PRIORITY FILING DATE: 1997-09-17

; PRIORITY APPLICATION NUMBER: 60/059122

; PRIORITY FILING DATE: 1997-09-17

; PRIORITY APPLICATION NUMBER: 60/059184

; PRIORITY FILING DATE: 1997-09-17

; PRIORITY APPLICATION NUMBER: 60/059263

; PRIORITY FILING DATE: 1997-09-18

; PRIORITY APPLICATION NUMBER: 60/059352

; PRIORITY FILING DATE: 1997-09-19

; PRIORITY APPLICATION NUMBER: 60/059588

; PRIORITY FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

**SUMMARIES**

Result No.	Score	Query Match Length	DB ID	Description
1	65	31.9	642	1 US-10-131-826A-370
2	62	30.4	349	1 US-10-131-826A-424
3	61	29.9	389	7 US-11-074-176-324
4	61	29.9	406	7 US-11-074-176-32
5	58	28.4	770	1 US-10-982-545-15
6	58	28.4	770	1 US-10-789-273-38
7	57	27.9	691	1 US-10-131-826A-16
8	56	27.5	314	1 US-10-689-742-116
9	55	27.0	227	1 US-10-510-386-50
10	55	27.0	605	1 US-10-131-826A-160
11	54	26.5	303	1 US-10-467-962B-16
12	54	26.5	303	1 US-10-467-962B-45
13	53	26.2	431	7 US-11-074-176-132
14	53	26.2	1618	1 US-10-984-645-2
15	52	25.7	140	1 US-10-689-742-8
16	52	25.5	543	1 US-10-689-742-78
17	52	25.5	692	1 US-11-038-284-33
18	52	25.5	873	7 US-11-038-284-35
19	52	25.5	889	7 US-11-038-284-15
20	52	25.5	912	7 US-11-077-550-116
21	51	25.2	648	1 US-10-501-039-6
22	51	25.0	120	1 US-10-689-742-190
23	51	25.0	317	7 US-11-082-389-28
24	51	25.0	472	1 US-10-689-742-68
25	50.5	24.8	400	1 US-10-689-742-74

NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 370  
 LENGTH: 642  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-131-826A-370

Query Match 31.9%; Score 65; DB 1; Length 642;  
 Best Local Similarity 45.0%; Pred. No. 0.28;  
 Matches 18; Conservative 5; Mismatches 13; Indels 4; Gaps 1;

RESULT 2  
 US-10-131-826A-424  
 Sequence 424, Application US/10131826A  
 Publication No. US20100245730A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: DeForge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Godowski, Audrey  
 APPLICANT: Gurney, Austin J.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3330R1C128

CURRENT APPLICATION NUMBER: US/10/131-826A  
 CURRENT FILING DATE: 2002-04-24  
 PRIOR APPLICATION NUMBER: 60/049911  
 PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974  
 PRIOR FILING DATE: 1997-08-26  
 PRIOR APPLICATION NUMBER: 60/059113  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059115  
 PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059122  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059184  
 PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/059352  
 PRIOR FILING DATE: 1997-09-19  
 PRIOR APPLICATION NUMBER: 60/059588  
 PRIOR FILING DATE: 1997-09-19

REMAINDER OF PRIOR APPLICATION data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 424  
 LENGTH: 349  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-131-826A-424

Query Match 30.4%; Score 62; DB 1; Length 349;  
 Best Local Similarity 34.4%; Pred. No. 0.29;

Matches 11; Conservative 10; Mismatches 11; Indels 0; Gaps 0;  
 QY 10 KDKENISKENDVLDKEKEEEETEEELERK 41  
 Db 248 KDDSNBEEBNKDSLVDDEEKEEDLGDDDEAE 279

RESULT 3  
 US-11-074-176-324  
 Sequence 324, Application US/11074176  
 Publication No. US2005025015A1  
 GENERAL INFORMATION:  
 APPLICANT: Klaenhammer, Todd R.  
 APPLICANT: Russell, William M.  
 APPLICANT: Alternmann, Eric  
 APPLICANT: McAuliffe, Olivia  
 APPLICANT: Peril, Andrea Azcarate  
 TITLE OF INVENTION: Nucleic Acid Sequences Encoding Stress-Related Proteins and Uses Therefore  
 CURRENT APPLICATION NUMBER: US/11/074,176  
 FILE REFERENCE: 5051-694  
 CURRENT FILING DATE: 2005-03-07  
 PRIOR APPLICATION NUMBER: 60/0551,161  
 PRIOR FILING DATE: 2004-03-08  
 NUMBER OF SEQ ID NOS: 381  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 324  
 LENGTH: 389  
 TYPE: PRT  
 ORGANISM: Lactobacillus acidophilus  
 US-11-074-176-324

Query Match 29.9%; Score 61; DB 7; Length 389;  
 Best Local Similarity 33.3%; Pred. No. 0.43;  
 Matches 13; Conservative 11; Mismatches 11; Indels 4; Gaps 1;

RESULT 4  
 US-11-074-176-92  
 Sequence 92, Application US/11074176  
 Publication No. US2005025015A1  
 GENERAL INFORMATION:  
 APPLICANT: Klaenhammer, Todd R.  
 APPLICANT: Russell, William M.  
 APPLICANT: Alternmann, Eric  
 APPLICANT: McAuliffe, Olivia  
 APPLICANT: Peril, Andrea Azcarate  
 TITLE OF INVENTION: Nucleic Acid Sequences Encoding Stress-Related Proteins and Uses Therefore  
 CURRENT APPLICATION NUMBER: US/11/074,176  
 FILE REFERENCE: 5051-694  
 CURRENT FILING DATE: 2005-03-07  
 PRIOR APPLICATION NUMBER: 60/0551,161  
 PRIOR FILING DATE: 2004-03-08  
 NUMBER OF SEQ ID NOS: 381  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 92  
 LENGTH: 406  
 TYPE: PRT  
 ORGANISM: Lactobacillus acidophilus  
 US-11-074-176-92

Query Match 29.9%; Score 61; DB 7; Length 406;  
 Best Local Similarity 33.3%; Pred. No. 0.46;  
 Matches 13; Conservative 11; Mismatches 11; Indels 4; Gaps 1;

QY 6 YVSSKDKENISKE---NDDVLDKEKEEEETEEELER 40  
 Db 347 FVDEKESTDVSKEEDTDSSEDVVSTESTADVTTEEESED 385

RESULT 5  
 Sequence 15, Application US/10982545  
 Publication No. US20050241890A1.

APPLICANT: Davies, Huw Alun  
 APPLICANT: McGuire, James  
 APPLICANT: Simonsen, Anja Rvild  
 APPLICANT: Blennow, Kaj  
 APPLICANT: Podust, Vladimir

APPLICANT: CIPHERGEN BIOSYSTEMS, INC.  
 TITLE OF INVENTION: Biomarkers for Alzheimer's Disease

FILE REFERENCE: 016366-0115500S

CURRENT APPLICATION NUMBER: US/10/982,545

CURRENT FILING DATE: 2004-11-06

PRIOR APPLICATION NUMBER: US 60/518,360

PRIOR FILING DATE: 2003-11-07

PRIOR APPLICATION NUMBER: US 60/526,753

PRIOR FILING DATE: 2003-12-02

PRIOR APPLICATION NUMBER: US 60/546,423

PRIOR FILING DATE: 2004-02-19

PRIOR APPLICATION NUMBER: US 60/547,250

PRIOR FILING DATE: 2004-02-23

PRIOR APPLICATION NUMBER: US 60/558,896

PRIOR FILING DATE: 2004-04-02

PRIOR FILING DATE: 2004-05-18

PRIOR APPLICATION NUMBER: US 60/586,503

PRIOR FILING DATE: 2004-07-08

NUMBER OF SEQ ID NOS: 16

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 15

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: Amyloid beta A4 precursor (APP, ABPP), isoform a, protease

OTHER INFORMATION: nexin II (PN-II), cerebral vascular amyloid peptide (CVAP),

OTHER INFORMATION: beta-amyloid peptide, A4 amyloid protein,

OTHER INFORMATION: Alzheimer's disease amyloid protein

FEATURE:

NAME/KEY: SIGNAL

LOCATION: (1) .. (17)

OTHER INFORMATION: signal peptide

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (1) .. (40)

OTHER INFORMATION: biomarker peptide 4320 Da (TMAC-Ni), A-beta 1-40

OTHER INFORMATION: peptide fragment of Amyloid beta A4 precursor

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (18) .. (667)

OTHER INFORMATION: soluble APP-alpha

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (18) .. (671)

OTHER INFORMATION: soluble APP-beta

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (672) .. (770)

OTHER INFORMATION: C99

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (672) .. (713)

OTHER INFORMATION: beta-amyloid protein 42

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (672) .. (711)

OTHER INFORMATION: biomarker peptide 4330 Da, fragment of Amyloid

OTHER INFORMATION: beta A4 precursor, beta-amyloid protein 40

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (712) .. (770)

OTHER INFORMATION: beta-amyloid protein 40

NAME/KEY: PEPTIDE

LOCATION: (668) .. (770)

OTHER INFORMATION: C83

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (668) .. (713)

OTHER INFORMATION: P3 (42)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (668) .. (711)

OTHER INFORMATION: P3 (40)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (712) .. (770)

OTHER INFORMATION: gamma-CTF (59)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (714) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (712) .. (770)

OTHER INFORMATION: gamma-CTF (59)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (721) .. (770)

OTHER INFORMATION: gamma-CTF (50)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: C31

US-10-982-545-15

FEATURE:

NAME/KEY: SIGNAL

LOCATION: (1) .. (17)

OTHER INFORMATION: signal peptide

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (1) .. (40)

OTHER INFORMATION: biomarker peptide 4320 Da (TMAC-Ni), A-beta 1-40

OTHER INFORMATION: peptide fragment of Amyloid beta A4 precursor

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (18) .. (667)

OTHER INFORMATION: soluble APP-alpha

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (18) .. (671)

OTHER INFORMATION: soluble APP-beta

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (672) .. (770)

OTHER INFORMATION: C99

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (672) .. (713)

OTHER INFORMATION: P3 (42)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (672) .. (711)

OTHER INFORMATION: biomarker peptide 4330 Da, fragment of Amyloid

OTHER INFORMATION: beta A4 precursor, beta-amyloid protein 40

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (712) .. (770)

OTHER INFORMATION: gamma-CTF (59)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: C31

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

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NAME/KEY: PEPTIDE

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NAME/KEY: PEPTIDE

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NAME/KEY: PEPTIDE

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OTHER INFORMATION: gamma-CTF (57)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

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NAME/KEY: PEPTIDE

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NAME/KEY: PEPTIDE

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

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NAME/KEY: PEPTIDE

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

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NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (740) .. (770)

OTHER INFORMATION: gamma-CTF (57)

FEATURE:

RESULT 7  
US-10-131-826A-16  
Sequence 16, Application US/10131826A  
GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForce, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3330R1C18  
CURRENT APPLICATION NUMBER: US/10/131-826A  
CURRENT FILING DATE: 2002-04-24  
PRIOR FILING DATE: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR APPLICATION NUMBER: 60/059124  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 16  
LENGTH: 691  
TYPE: PRT  
ORGANISM: Homo Sapien  
us-10-131-826A-16

Query Match 27.9%; Score 57; DB 1; Length 691;  
Best Local Similarity 32.7%; Pred. No. 2,6; Matches 16; Indels 14; Gaps 1;

RESULT 8  
US-10-689-742-116  
Sequence 116, Application US/10689742  
GENERAL INFORMATION:  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M  
; APPLICANT: LaVallie, Edward R.

; APPLICANT: Racie, Lisa A  
; APPLICANT: Evans, Cheryl  
; APPLICANT: Merberg, David  
; APPLICANT: Treaty, Maurice  
; APPLICANT: Spaulding, Vicki  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
FILE REFERENCE: 00766 00091.10  
CURRENT FILING DATE: 2003-10-22  
PRIORITY APPLICATION NUMBER: 09/746,783  
PRIOR FILING DATE: 2000-12-21  
NUMBER OF SEQ ID NOS: 231  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 116  
LENGTH: 314  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (150)..(150)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (204)..(204)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (204)..(204)  
OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-10-689-742-116

Query Match 27.5%; Score 56; DB 1; Length 314;  
Best Local Similarity 44.4%; Pred. No. 1,3;  
Matches 12; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 10 KDKENISKENDDVLDKEPEEAETEEB 36  
Db 30 KEVENEDDDDSKDEKDDEDEVDE 56

RESULT 9  
US-10-510-386-50  
Sequence 50, Application US/10510386  
Publication No. US2005024432A1  
GENERAL INFORMATION:  
; APPLICANT: Andersen, Jens Tonne  
; APPLICANT: Clausen, Ib Groth  
; APPLICANT: Jorgensen, Steen Troels  
; APPLICANT: Olsen, Peter Bjørke  
; APPLICANT: Rasmussen, Michael Dolberg  
TITLE OF INVENTION: Improved Bacillus Host Cell  
FILE REFERENCE: 10294-204-US  
CURRENT APPLICATION NUMBER: US/10/510,386  
CURRENT FILING DATE: 2004-10-04  
NUMBER OF SEQ ID NOS: 248  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 50  
LENGTH: 227  
TYPE: PRT  
ORGANISM: Bacillus licheniformis  
US-10-510-386-50

Query Match 27.0%; Score 55; DB 1; Length 227;  
Best Local Similarity 48.1%; Pred. No. 1,1;  
Matches 13; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

Qy 8 SSKDKENISKENDDVLDKEPEEAETEE 34  
Db 97 SDKDKESASDEDKS1SDDPFEGAETVE 123

RESULT 10  
US-10-131-826A-160  
Sequence 160, Application US/10131826A  
GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filavoroff, Billen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Waranabe, Colin K.  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3330R1C128  
 CURRENT APPLICATION NUMBER: US/10/131,826A  
 CURRENT FILING DATE: 2002-04-24  
 PRIOR APPLICATION NUMBER: 60/049911  
 PRIOR FILING DATE: 1997-06-18  
 PRIOR APPLICATION NUMBER: 60/056974  
 PRIOR FILING DATE: 1997-08-26  
 PRIOR APPLICATION NUMBER: 60/059113  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059115  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059117  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059122  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059184  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059263  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/059352  
 PRIOR FILING DATE: 1997-09-19  
 PRIOR APPLICATION NUMBER: 60/059588  
 PRIOR FILING DATE: 1997-09-19  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 160  
 LENGTH: 605  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-131-826A-160

Query Match 27.0%; Score 55; DB 1; Length 605;  
 Best Local Similarity 55.6%; Pred. No 3.8;  
 Matches 10; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Qy 24 DEKEEAEETEEBEELEK 41  
 Db 164 EEEEEEEREEKEVEKQ 181

RESULT 11  
 US-10-467-962B-16  
 ; Sequence 16, Application US/10467962B  
 ; Publication No. US20050246784A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Plesch, Gunnar  
 ; APPLICANT: Blau, Astrid  
 ; APPLICANT: Daeschner, Klaus  
 ; APPLICANT: Klein, Mathieu  
 ; TITLE OF INVENTION: Identification of Herbicidally Active Substances  
 ; FILE REFERENCE: 2000-857  
 ; CURRENT APPLICATION NUMBER: US/10/467,962B  
 ; CURRENT FILING DATE: 2003-08-14  
 ; PRIOR APPLICATION NUMBER: PCT/EP02/01466  
 ; PRIOR FILING DATE: 2002-02-13  
 ; NUMBER OF SEQ ID NOS: 109  
 ; SOFTWARE: PatentIn Vers. 2.0  
 ; SEQ ID NO 45  
 ; LENGTH: 303  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 US-10-467-962B-45

Query Match 26.5%; Score 54; DB 1; Length 303;  
 Best Local Similarity 48.4%; Pred. No. 2;  
 Matches 15; Conservative 5; Mismatches 7; Indels 4; Gaps 2;

Qy 9 SKDKENISKENDVLDDEKEEABE--TREBE 37  
 Db 130 NKEKANFIK--DRGVDBBBBBBBBBBBBBB 158

RESULT 12  
 US-10-467-962B-45

; Sequence 45, Application US/10467962B  
 ; Publication No. US20050246784A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Plesch, Gunnar  
 ; APPLICANT: Blau, Astrid  
 ; APPLICANT: Daeschner, Klaus  
 ; APPLICANT: Klein, Mathieu  
 ; TITLE OF INVENTION: Identification of Herbicidally Active Substances  
 ; FILE REFERENCE: 2000-857  
 ; CURRENT APPLICATION NUMBER: US/10/467,962B  
 ; CURRENT FILING DATE: 2003-08-14  
 ; PRIOR APPLICATION NUMBER: PCT/EP02/01466  
 ; PRIOR FILING DATE: 2002-02-13  
 ; NUMBER OF SEQ ID NOS: 109  
 ; SOFTWARE: PatentIn Vers. 2.0  
 ; SEQ ID NO 45  
 ; LENGTH: 303  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 US-10-467-962B-45

Query Match 26.5%; Score 54; DB 1; Length 303;  
 Best Local Similarity 48.4%; Pred. No. 2;  
 Matches 15; Conservative 5; Mismatches 7; Indels 4; Gaps 2;

Qy 9 SKDKENISKENDVLDDEKEEABE--TREBE 37  
 Db 130 NKEKANFIK--DRGVDBBBBBBBBBBBBBB 158

RESULT 13  
 US-11-074-176-132

; Sequence 132, Application US/11074176  
 ; Publication No. US20050250135A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Klaenhammer, Todd R.  
 ; APPLICANT: Russell, William M.  
 ; APPLICANT: Altermann, Eric C.  
 ; APPLICANT: McAuliffe, Olivia  
 ; APPLICANT: Peril, Andrea Azcarate  
 ; TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
 ; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefor  
 ; FILE REFERENCE: 5051-694  
 ; CURRENT APPLICATION NUMBER: US/11/074,176  
 ; CURRENT FILING DATE: 2005-03-07  
 ; PRIOR APPLICATION NUMBER: 60/551,161  
 ; PRIOR FILING DATE: 2004-03-08  
 ; NUMBER OF SEQ ID NOS: 381  
 ; SOFTWARE: FastSeqQ For Windows Version 4.0  
 ; SEQ ID NO 132  
 ; LENGTH: 431  
 ; TYPE: PRT  
 ; ORGANISM: Lactobacillus acidophilus  
 US-11-074-176-132

---

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; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-689-742-B

Query Match Score 53.5; DB 1; Length 431;
Best Local Similarity 34.5%; Pred. No. 3; 7;
Matches 10; Conservative 12; Mismatches 6; Indels 1; Gaps 1;
Query Match Score 52.5; DB 1; Length 140;
Best Local Similarity 22.9%; Pred. No. 1.1;
Matches 11; Conservative 15; Mismatches 15; Indels 7; Gaps 1;

Qy 1 MLSHLVYSSKDKENISKENDDY-----LDEKEEEAEETEEELEEK 41
Db 59 MVSHTPHMRTEBSDASQEGDDLPKSANTSHPKDDSPKSSETOPK 106

RESULT 14
US-10-984-645-2
; Sequence 2, Application US/10984645
; Publication No. US20050244386A1
; GENERAL INFORMATION:
; APPLICANT: Habener, Joel
; APPLICANT: Zulewski, Hendrik
; APPLICANT: Abraham, Elizabeth
; APPLICANT: Vallejo, Mario
; TITLE OF INVENTION: METHOD OF TRANSPLANTING IN A MAMMAL AND TREATING DIABETES MELLITU
; TITLE OF INVENTION: METHOD OF ADMINISTERING A PSEUDO-ISLET LIKE AGGREGATE DIFFERENTIATED FR
; TITLE OF INVENTION: A NESTIN-POSITIVE PANCREATIC STEM CELL
; FILE REFERENCE: 3284/1223
CURRENT APPLICATION NUMBER: US/10/984,645
CURRENT FILING DATE: 2004-11-09
PRIOR APPLICATION NUMBER: US 09/731,255
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: US 6/0169,082
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: US 60/215,109
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: US 60/239,880
PRIOR FILING DATE: 2000-10-06
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2
LENGTH: 1618
TYPE: PRT
ORGANISM: Homo sapiens
US-10-984-645-2

Query Match Score 53.5; DB 1; Length 1618;
Best Local Similarity 45.7%; Pred. No. 20;
Matches 16; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

Qy 7 VSSKDKENISKENDDY-LDEKEEEAEETEEELEEK 40
Db 1258 VSESEQEELGGSGTPEGIQLERGEESRESEEDELGE 1292

RESULT 15
US-10-689-742-B
; Sequence 8, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: LaValle, Edward R
; APPLICANT: Racine, Lisa A
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vicki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 0076-00091.10
CURRENT APPLICATION NUMBER: US/10/689,742
CURRENT FILING DATE: 2003-10-22
PRIOR APPLICATION NUMBER: 09/746,783
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 231
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 140

```

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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 118.595 Seconds  
 (without alignments)

144.450 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MLSHYVSSKDKENNSKEND.....VLDERKEEAEETEEBELEEK 41

Scoring table: BLOSUM62

Gapext: 0.0 , Gapext 0.5

Searched: 1867569 seqs, 41'829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA\_Main.\*  
 1: /cn2\_6\_ptodata/1/pubpba/us07\_pubcomb.pep:  
 2: /cn2\_6\_ptodata/1/pubpba/us08\_pubcomb.pep:  
 3: /cn2\_6\_ptodata/1/pubpba/us09\_pubcomb.pep:  
 4: /cn2\_6\_ptodata/1/pubpba/us10\_pubcomb.pep:  
 5: /cn2\_6\_ptodata/1/pubpba/us10b\_pubcomb.pep:  
 6: /cn2\_6\_ptodata/1/pubpba/us11\_pubcomb.pep:  
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**RESULTS**

RESULT 1  
 US-10-294-770-14  
 ; Sequence 14, Application US/10294770  
 ; Publication No. US20030161840A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRULHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 230759US0CIP  
 ; CURRENT APPLICATION NUMBER: US/10/294,770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIORITY: 1999-07-19  
 ; PRIORITY NUMBER: US 09/356,947  
 ; PRIORITY FILING DATE: 1999-07-19  
 ; PRIORITY APPLICATION NUMBER: US 08/416,711  
 ; PRIORITY FILING DATE: 1995-08-08  
 ; PRIORITY APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIORITY FILING DATE: 1993-10-18  
 ; SOFTWARE: PatentIn version 3.1  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SEQ ID NO 14  
 ; LENGTH: 41  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic Peptide  
 US-10-294-770-14

Query Match 100.0%; Score 204; DB 4; Length 41;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-12;  
 Matches 41; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;

QY 1 MLSHYVSSKDKENNSKENDVLEKEETEEBLEEK 41  
 Db 1 MLSHYVSSKDKENNSKENDVLEKEETEEBLEEK 41

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
1	204	100.0	41	4 US-10-294-770-14	Sequence 14, Appli
2	204	100.0	41	4 US-10-774-602-14	Sequence 14, Appli
3	204	100.0	41	5 US-10-691-672A-6	Sequence 6, Appli
4	204	100.0	169	5 US-10-691-672A-2	Sequence 2, Appli
5	204	100.0	188	5 US-10-691-672A-7	Sequence 7, Appli
6	204	100.0	647	5 US-10-691-672A-3	Sequence 3, Appli
7	101	49.5	28	4 US-10-294-770-13	Sequence 13, Appli
8	101	49.5	28	4 US-10-774-602-13	Sequence 13, Appli
9	97	47.5	28	4 US-10-294-770-4	Sequence 4, Appli
10	97	47.5	28	4 US-10-238-741-4	Sequence 4, Appli
11	97	47.5	28	4 US-10-774-602-4	Sequence 4, Appli
12	97	47.5	64	4 US-10-294-770-1	Sequence 1, Appli
13	97	47.5	64	4 US-10-238-741-1	Sequence 1, Appli
14	97	47.5	64	4 US-10-774-602-1	Sequence 1, Appli
15	87	42.6	1077	4 US-10-044-564-110	Sequence 110, Appli
16	87	42.6	1077	4 US-11-097-143-2952	Sequence 2952, Appli
17	87	42.6	1077	5 US-10-450-763-37314	Sequence 37314, Appli
18	83	40.7	89	5 US-10-450-763-37314	Sequence 51, Appli
19	83	40.7	106	5 US-10-450-763-37314	Sequence 114, Appli
20	83	40.7	197	4 US-10-101-487-51	Sequence 114, Appli
21	83	40.7	197	4 US-10-101-487-114	Sequence 51, Appli
22	83	40.7	197	5 US-10-939-988-51	Sequence 114, Appli
23	83	40.7	197	5 US-10-939-988-114	Sequence 114, Appli
24	83	40.7	379	5 US-10-450-763-56911	Sequence 5611, Appli
25	83	40.7	788	5 US-10-450-763-59588	Sequence 59588, Appli
26	82	40.2	57	5 US-10-450-763-41599	Sequence 41599, Appli
27	82	40.2	62	5 US-10-450-763-34329	Sequence 34329, Appli

**ALIGNMENTS**

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; PRIORITY FILING DATE: 1995-08-08
; PRIORITY APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Synthetic Peptide
US-10-774-602-14

Query Match, Score 204; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 41; Conservative 0; Mismatches 0; Pred. No. 5e-12; Indels 0; Gaps 0;
Qy 1 MLSHLVSSKDKENISKENDDVLDKEEEAETEEEEELEK 41
Db 1 MLSHLVSSKDKENISKENDDVLDKEEEAETEEEEELEK 41

RESULT 5
US-10-691-672A-7
; Sequence 7, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; TITLE OF INVENTION: MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356_0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO: 7
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1) .:(188)
; OTHER INFORMATION: MSP3a to MSP3f
US-10-691-672A-7

Query Match, Score 204; DB 5; Length 188;
Best Local Similarity 100.0%; Pred. No. 5.6e-12; Indels 0; Gaps 0;
Matches 41; Conservative 0; Mismatches 0; Pred. No. 5e-12; Indels 0; Gaps 0;
Qy 1 MLSHLVSSKDKENISKENDDVLDKEEEAETEEEEELEK 41
Db 45 MLSHLVSSKDKENISKENDDVLDKEEEAETEEEEELEK 85

RESULT 6
US-10-691-672A-3
; Sequence 3, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; TITLE OF INVENTION: MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356_0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; LENGTH: 647
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1) .:(647)
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-691-672A-3

Query Match, Score 204; DB 5; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12; Indels 0; Gaps 0;
Matches 41; Conservative 0; Mismatches 0; Pred. No. 5e-12; Indels 0; Gaps 0;
Qy 1 MLSHLVSSKDKENISKENDDVLDKEEEAETEEEEELEK 41
Db 1 MLSHLVSSKDKENISKENDDVLDKEEEAETEEEEELEK 41

RESULT 4
US-10-691-672A-2
; Sequence 2, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; TITLE OF INVENTION: MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356_0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO: 2
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
US-10-691-672A-2

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Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Qy 1 MLSHLVYSSKDKKENISKEND 20  
 Qy 1 MLSHLVYSSKDKKENISKEND 41  
 Db 505 MLSHLVYSSKDKKENISKEND 545

RESULT 7  
 US-10-294-770-13  
 ; Sequence 13, Application US/1094770  
 ; Publication No. US20030161840A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 230759US0CIP  
 ; CURRENT APPLICATION NUMBER: US/10/294,770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 13  
 ; LENGTH: 28  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic Peptide

US-10-294-770-13  
 Query Match 49.5%; Score 101; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 0.0052; Mismatches 0; Indels 0; Gaps 0; Qy 1 MLSHLVYSSKDKKENISKEND 20  
 Db 9 MLSHLVYSSKDKKENISKEND 28

RESULT 8  
 US-10-774-602-13  
 ; Sequence 13, Application US/10774602  
 ; Publication No. US2004014197A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 248791US0DIV  
 ; CURRENT APPLICATION NUMBER: US/10/774,602  
 ; CURRENT FILING DATE: 2004-02-10  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 10/238,741  
 ; PRIOR FILING DATE: 2002-09-11  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 13  
 ; LENGTH: 28  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic Peptide

US-10-774-602-13  
 Query Match 49.5%; Score 101; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 0.0052; Mismatches 0; Indels 0; Gaps 0; Qy 1 MLSHLVYSSKDKKENISKEND 20  
 Db 9 MLSHLVYSSKDKKENISKEND 28

RESULT 9  
 US-10-294-770-4  
 ; Sequence 4, Application US/10294770  
 ; Publication No. US20030161840A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 230759US0CIP  
 ; CURRENT APPLICATION NUMBER: US/10/294,770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 4  
 ; LENGTH: 28  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum

US-10-294-770-4  
 Query Match 47.5%; Score 97; DB 4; Length 28;  
 Best Local Similarity 95.0%; Pred. No. 0.013; Mismatches 1; Indels 0; Gaps 0; Qy 1 MLSHLVYSSKDKKENISKEND 20  
 Db 9 MLSHLVYSSKDKKENISKEND 28

RESULT 10  
 US-10-238-741-4  
 ; Sequence 4, Application US/10238741  
 ; Publication No. US20040096466A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; BOUJARGUEN-TAYOUN, CLAUDE  
 ; OBEURAY, CLAUDE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; NUMBER OF SEQUENCES: 10  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESS: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 ; P.C.  
 ; STREET: 1755 S JEFFERSON DAVIS HIGHWAY  
 ; CITY: ARLINGTON  
 ; STATE: VA  
 ; COUNTRY: USA  
 ; ZIP: 22202  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/238,741  
 ; FILING DATE: 09-Nov-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/356,497  
 ; FILING DATE: 19-JUL-1999  
 ; APPLICATION NUMBER: US/08/416,711  
 ; FILING DATE: 08-AUG-1995  
 ; APPLICATION NUMBER: PCT/FR93/01024

FILING DATE: 18-OCT-1993  
 APPLICATION NUMBER: FR 92/124888  
 FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 TELEPHONE: 703-413-3000  
 TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 28 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single

TOPOLOGY: linear  
 MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 US-10-238-741-4

Query Match 47.5%; Score 97; DB 4; Length 28;  
 Best Local Similarity 95.0%; Pred. No. 0.013; Mismatches 0; Gaps 0;

Db 9 MLSHLVYSSDKDENISKEN 28

---

RESULT 13  
 US-10-238-741-1  
 / Sequence 1, Application US/10238741  
 / Publication No. US20040096466A1

GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 FILE REFERENCE: 248791US0DIV  
 CURRENT APPLICATION NUMBER: US/10/774,602  
 PRIOR APPLICATION NUMBER: US 09/356,947  
 PRIOR FILING DATE: 1999-07-19  
 PRIOR APPLICATION NUMBER: US 10/238,741  
 PRIOR FILING DATE: 2002-09-11  
 PRIOR APPLICATION NUMBER: US 08/416,711  
 PRIOR FILING DATE: 1995-08-08  
 PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 PRIOR FILING DATE: 1993-10-18  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 4  
 LENGTH: 28  
 TYPE: PRT  
 ORGANISM: Plasmodium falciparum

US-10-774-602-4

Query Match 47.5%; Score 97; DB 4; Length 28;  
 Best Local Similarity 95.0%; Pred. No. 0.013; Mismatches 0; Gaps 0;

Db 9 MLSHLVYSSDKDENISKEN 28

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RESULT 12  
 US-10-294-770-1  
 / Sequence 1, Application US/10294770  
 / Publication No. US20030161840A1

GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 FILE REFERENCE: 230759US0CIP  
 CURRENT APPLICATION NUMBER: US/10/294,770

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; TOPOLGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1;
US-10-238-741-1

Query Match      47.5%;  Score  97;  DB  4;  Length  64;
Best Local Similarity  95.0%;  Pred. No.  0.03;
Matches  19;  Conservative  1;  Mismatches  0;  Indels  0;
          Gaps  0;

Qy   1  MLSHLVSSKDKENISKEND 20
Db   45  MLSHLVSSKDKENISKENE 64

RESULT 14
US-10-774-602-1
Sequence 1. Application US/10774602
Publication No. US20040141987A1.

GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791US0D1V
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 1.0/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-1

Query Match      47.5%;  Score  97;  DB  4;  Length  64;
Best Local Similarity  95.0%;  Pred. No.  0.03;
Matches  19;  Conservative  1;  Mismatches  0;  Indels  0;
          Gaps  0;

Qy   1  MLSHLVSSKDKENISKEND 20
Db   45  MLSHLVSSKDKENISKENE 64

RESULT 15
US-10-099-322-110
Sequence 110, Application US/10099322
Publication No. US20030215449A1.

GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240C1P
; CURRENT APPLICATION NUMBER: US/10/099,322
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17

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ଶ୍ରୀମତୀ ପାତ୍ନୀ କଣ୍ଠାରୀ

Copyright Gendcore version 5.1.6  
(C) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model.

Run on: November 22, 2005, 20:20:23 ; Search time 25.7521 Seconds  
(without alignments)  
131.628 Million cell updates/sec

Title: US-10-774-602-14  
Perfect score: 204  
Sequence: 1 MLSHLYVSSKDKENISKEND.....VLDEKEEEAEETEEBEELEEK 41

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	97	47.5	28	2 US-08-416-711-4	Sequence 4, Appli
2	97	47.5	28	2 US-09-356-497-4	Sequence 4, Appli
3	97	47.5	28	2 US-10-231-741-4	Sequence 4, Appli
4	97	47.5	64	2 US-08-416-711-1	Sequence 1, Appli
5	97	47.5	64	2 US-09-356-497-1	Sequence 1, Appli
6	97	47.5	64	2 US-10-231-741-1	Sequence 1, Appli
7	82	40.2	3135	1 US-08-321-170B-2	Sequence 2, Appli
8	82	40.2	3135	2 US-08-954-441-2	Sequence 2, Appli
9	79	38.7	714	1 US-08-990-114-3	Sequence 3, Appli
10	79	38.7	714	2 US-09-241-333-3	Sequence 3, Appli
11	78	38.2	2079	2 US-09-949-016-8301	Sequence 8301, Appli
12	77	37.7	740	1 US-08-257-073-5	Sequence 5, Appli
13	76.5	37.5	1104	2 US-10-104-047-2506	Sequence 2506, Ap
14	76.5	37.5	1125	2 US-09-949-016-10194	Sequence 10194, A
15	76	37.3	905	1 US-08-574-959A-9	Sequence 9, Appli
16	76	37.3	905	2 US-09-357-014-9	Sequence 9, Appli
17	76	37.3	1135	1 US-08-574-959A-7	Sequence 7, Appli
18	76	37.3	1135	2 US-09-357-014-7	Sequence 7, Appli
19	76	37.3	2375	2 US-09-538-092-1131	Sequence 1131, Ap
20	75.5	37.0	1269	2 US-09-949-016-7349	Sequence 7349, Ap
21	75.5	37.0	1269	2 US-09-949-016-7350	Sequence 7350, Ap
22	75	36.8	87	2 US-09-248-796A-22150	Sequence 22150, A
23	75	36.8	214	2 US-09-214-881A-5	Sequence 5, Appli
24	75	36.8	739	2 US-09-022-983-2	Sequence 2, Appli
25	74.5	36.5	594	2 US-09-248-796A-15031	Sequence 15031, A
26	74	36.3	1016	2 US-09-949-016-11018	Sequence 11018, A
27	73.5	36.0	202	2 US-09-190-976B-19	Sequence 19, Appli

## ALIGNMENTS

RESULT 1  
US-08-416-711-4  
; Sequence 4, Application US/08416711  
; Patent No. 6017538

; GENERAL INFORMATION:

; APPLICANT: DRUILHE, PIERRE  
; APPLICANT: OUDRAOUN TAYOUN, HASNAQ  
; APPLICANT: OUDRAY, CLAUDE  
; TITLE OF INVENTION: PLASMIDUM FAUCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESS: P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SER ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: Single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-416-711-4:

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Query Match 47.5%; Score 97; DB 2; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.00024;
Matches 19; Conservative 1; Mismatches 0; Indels 0;

Qy 1 MLSHLVSSKDKENISKEND 20
Db 9 MLSHLVSSKDKENISKENE 28

RESULT 2
US-09-356-497-4
; Sequence 4, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOON, HASNAQ
; OUEVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-JUL-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 650-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
; US-09-356-497-4

Query Match 47.5%; Score 97; DB 2; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.00024;
Matches 19; Conservative 1; Mismatches 0; Indels 0;

Qy 1 MLSHLVSSKDKENISKEND 20
Db 9 MLSHLVSSKDKENISKENE 28

RESULT 3
US-10-238-741-4
; Sequence 4, Application US/10238741

```





STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ For Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/990,114  
 FILING DATE: Herewith  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 TELECOMMUNICATION NUMBER: 650-855-0555  
 TELEFAX: 650-845-4166  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 714 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: GenBank  
 CLONE: 128842  
 US-09-241-333-3

Query Match 38.7%; Score 79; DB 2; Length 714;  
 Best Local Similarity 45.7%; Pred. No. 0.76;  
 Matches 16; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

Qy 7 VSSKDKENTSKENDVLDKEKEETEEELREK 41  
 Db 238 VABEDDDDEEDEDDEEDEDDEEEEEE 272

RESULT 11  
 US-09-949-016-8301  
 Sequence 8301, Application US/09949016  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001307  
 ; CURRENT FILING DATE: 2000-04-14  
 ; PRIORITY APPLICATION NUMBER: 60/12339  
 ; PRIORITY FILING DATE: 2000-10-20  
 ; PRIORITY APPLICATION NUMBER: 60/237,768  
 ; PRIORITY FILING DATE: 2000-10-03  
 ; PRIORITY APPLICATION NUMBER: 60/231,498  
 ; PRIORITY FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 8301  
 ; LENGTH: 2079  
 ; TYPE: PRT  
 ; ORGANISM: Human  
 US-09-949-016-8301

Query Match 38.2%; Score 78; DB 2; Length 2079;  
 Best Local Similarity 45.9%; Pred. No. 3.1;  
 Matches 17; Conservative 7; Mismatches 13; Indels 0; Gaps 0;

Qy 5 LYSSKOKENISKENDVLDKEKEETEEELREK 41  
 Db 1068 LELSKESSEEEEEEDEEEEEEDEEEEEE 1104

RESULT 12  
 US-08-257-073-5  
 Sequence 5, Application US/08257073  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Paolelli, Enzo  
 ; APPLICANT: de Taisne, Charles  
 ; APPLICANT: Tine, John A.  
 ; TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ For Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/241,333  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:

NUMBER OF SEQUENCES: 143  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Curtis, Morris & Safford, P.C.  
 STREET: 530 Fifth Avenue, 25th Floor  
 CITY: New York  
 STATE: New York  
 COUNTRY: UNITED STATES OF AMERICA  
 ZIP: 10036  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/257,073  
 FILING DATE: 09-JUN-1994  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/075,783  
 FILING DATE: 11-JUN-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/852,305  
 FILING DATE: 18-MAR-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/672,183  
 FILING DATE: 20-MAR-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Former, William S.  
 REGISTRATION NUMBER: 25,506  
 REFERENCE DOCKET NUMBER: 454310-2570  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 840-3333  
 TELEFAX: (212) 840-0712  
 TELEX: 425066 CURTMS  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 740 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal

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Query Match      37.5%; Score 76.5; DB 2; Length 1104;
Best Local Similarity 40.9%; Pred. No. 2, 3;
Matches 18; Conservative 7; Mismatches 8; Indels 11
Qy          8 SSKDKENISKENDDVLDKE-----BRAEETBEEELLE 40
Db          1016 SEKKEEEEDKMEWELQEEKECKPQGDDEEEEEEVEEEVEEE 1059

RESULT 14
US-09-949-016-10194
/ Sequence 10194, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ WITH HUMAN DISEASE, METHODS OF DETECTION AND
/ USE THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSEQ for Windows Version 4.0
/ SEQ ID NO: 10194
/ LENGTH: 1125
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-10194

Query Match      37.5%; Score 76.5; DB 2; Length 1125;
Best Local Similarity 40.9%; Pred. No. 2, 3;
Matches 18; Conservative 7; Mismatches 8; Indels 11
Qy          8 SSKDKENISKENDDVLDKE-----BRAEETBEEELLE 40
Db          1037 SEKKEEEEDKMEWELQEEKECKPQGDDEEEEEEVEEEVEEE 1080

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RESULT 15  
US-08-574-959A-9  
Sequence 9, Application US/08574959A  
Patent No. 5962244  
GENERAL INFORMATION:  
APPLICANT: Jaekyoon Shin, Insil Joung, Ratna K. Vadlamudi  
APPLICANT: and Jack L. Strominger  
TITLE OF INVENTION: p62 POLYPEPTIDES RELATED POLYPEPTIDE  
TITLE OF INVENTION: AND USES THEREFOR  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/574,959A  
FILING DATE: 19-DEC-95  
ATTORNEY/AGENT INFORMATION:  
NAME: Mandragoras, Amy E.  
REGISTRATION NUMBER: 36,207  
REFERENCE DOCKET NUMBER: DFN-008  
TELECOMMUNICATION INFORMATION:





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OM protein - protein search, using sw model.

Run on: November 22, 2005, 20:24:59 ; Search time 1.85124 Seconds  
(without alignments)  
17.088 Million cell updates/sec

Title: US-10-774-602-13  
Perfect score: 147  
Sequence: PEHKCBENMLSHLYVSSKDKENISSKEND 28

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 8323 seqs, 1129788 residues

Total number of hits satisfying chosen parameters: 8323

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

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3:	/cgn2_6_ptodata/1/pubpba/US07_NEW_PUB.pep:*				
4:	/cgn2_6_ptodata/1/pubpba/US08_NEW_PUB.pep:*				
5:	/cgn2_6_ptodata/1/pubpba/US09_NEW_PUB.pep:*				
6:	/cgn2_6_ptodata/1/pubpba/PCP_NEW_PUB.pep:*				
7:	/cgn2_6_ptodata/1/pubpba/US11_NEW_PUB.pep:*				
8:	/cgn2_6_ptodata/1/pubpba/US60_NEW_PUB.pep:*				

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
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2	41.5	28.5	239	1	US-10-209-208-11	Sequence 11, App
3	41.5	28.2	239	1	US-10-209-208-14	Sequence 14, App
4	41	27.9	591	1	US-10-510-386-22	Sequence 22, App
5	41	27.9	3056	7	US-11-109-156-20	Sequence 20, App
6	39.5	26.9	350	1	US-10-131-826A-518	Sequence 518, App
7	39.5	26.9	1119	1	US-10-131-826A-352	Sequence 352, App
8	39.5	26.9	1167	1	US-10-942-072-13	Sequence 13, App
9	39.5	26.9	1168	1	US-10-942-072-11	Sequence 11, App
10	39	26.5	317	1	US-10-131-826A-524	Sequence 524, App
11	39	26.5	1142	7	US-11-109-156-22	Sequence 22, App
12	38	25.9	203	1	US-10-510-386-122	Sequence 122, App
13	38	25.9	472	1	US-10-689-742-68	Sequence 68, App
14	38	25.9	617	1	US-10-982-545-2	Sequence 2, App
15	37.5	25.5	238	1	US-10-209-208-10	Sequence 10, App
16	37	25.5	239	1	US-10-209-208-12	Sequence 12, App
17	37.5	25.5	239	1	US-10-209-208-13	Sequence 13, App
18	37.5	25.5	239	1	US-10-209-208-15	Sequence 15, App
19	37	25.2	52	1	US-10-914-165-6	Sequence 6, App
20	37	25.2	552	1	US-10-131-826A-332	Sequence 332, App
21	36.5	24.8	44	1	US-10-632-349-8	Sequence 8, App
22	36.5	24.8	250	1	US-10-131-826A-78	Sequence 78, App
23	36	24.5	182	7	US-11-074-176-218	Sequence 218, App
24	36	24.5	434	1	US-10-632-150-24	Sequence 24, App
25	36	24.5	457	1	US-10-982-545-13	Sequence 13, App
26	36	24.5	604	1	US-10-942-072-4	Sequence 4, App
27	36	24.5	715	1	US-10-131-826A-116	Sequence 116, App
28	36	24.5	849	1	US-10-467-962B-53	Sequence 53, App
29	36	24.5	1167	1	US-10-942-072-6	Sequence 6, App
30	36	24.5	648	1	US-10-501-039-6	Sequence 6, App
31	35.5	24.1	691	1	US-10-131-826A-16	Sequence 16, App
32	35.5	23.8	90	1	US-10-131-826A-74	Sequence 474, App
33	35	23.8	203	7	US-11-038-284-21	Sequence 21, App
34	35	23.8	306	7	US-11-039-722-4	Sequence 4, App
35	35	23.8	376	7	US-11-082-389-122	Sequence 122, App
36	35	23.8	376	7	US-11-082-389-124	Sequence 124, App
37	35	23.8	403	7	US-11-074-176-354	Sequence 354, App
38	35	23.8	408	7	US-11-074-176-186	Sequence 186, App
39	35	23.8	420	7	US-11-074-176-216	Sequence 216, App
40	34.5	23.5	420	7	US-11-074-176-216	Sequence 216, App
41	34	23.1	194	7	US-11-074-176-82	Sequence 82, App
42	34	23.1	227	1	US-10-510-386-50	Sequence 50, App
43	34	23.1	406	1	US-10-131-826A-502	Sequence 502, App
44	34	23.1	480	1	US-10-510-386-12	Sequence 12, App
45	34	23.1	543	1	US-10-689-742-78	Sequence 78, App

## ALIGNMENTS

RESULT 1 US-10-131-826A-180					
; Sequence 180, Application US-10131826A					
; Publication No. US20050245730A1					
; GENERAL INFORMATION:					
; APPLICANT: Baker, Kevin P.					
; APPLICANT: Beresini, Maureen					
; APPLICANT: DeForge, Laura					
; APPLICANT: Desnoyers, Luc					
; APPLICANT: Filvaroff, Ellen					
; APPLICANT: Gao, Wei-Qiang					
; APPLICANT: Gerritzen, Mary E.					
; APPLICANT: Goddard, Audrey					
; APPLICANT: Godowski, Paul J.					
; APPLICANT: Gurney, Austin L.					
; APPLICANT: Sherwood, Steven					
; APPLICANT: Smith, Victoria					
; APPLICANT: Stewart, Timothy A.					
; APPLICANT: Tumas, Daniel					
; APPLICANT: Watanabe, Colin K					
; APPLICANT: Wood, William					
; APPLICANT: Zhang, Zemin					
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME					
; FILE REFERENCE: P3330R1C12B					
; CURRENT APPLICATION NUMBER: US/10/131, 826A					
; FILING DATE: 2002-04-24					
; PRIOR APPLICATION NUMBER: 60/049911					
; FILING DATE: 1997-06-18					
; PRIOR APPLICATION NUMBER: 60/056974					
; FILING DATE: 1997-08-26					
; PRIOR APPLICATION NUMBER: 60/059113					
; FILING DATE: 1997-09-17					
; PRIOR APPLICATION NUMBER: 60/059115					
; FILING DATE: 1997-09-17					
; PRIOR APPLICATION NUMBER: 60/059263					
; FILING DATE: 1997-09-18					
; PRIOR APPLICATION NUMBER: 60/059352					
; FILING DATE: 1997-09-19					
; PRIOR APPLICATION NUMBER: 60/059588					
; FILING DATE: 1997-09-19					
; PRIOR APPLICATION NUMBER: 60/059588					
; Remaining Prior Application data removed - See File Wrapper or PALM.					

;

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 180

LENGTH: 622

TYPE: PRT

ORGANISM: Homo Sapien

US-10-131-826A-180

Query Match 29.3%; Score 43; DB 1; Length 622;

Best Local Similarity 42.1%; Pred. No. 9,3; Mismatches 7; Indels 0; Gaps 0;

Matches 8 NMNLHLYVSSKDKENISKE 26

Qy | | | :| | | | :| :|

Db 276 NNRLHLTLSHNDLNLNSD 294

;

RESULT 2

US-10-209-208-11

Sequence 11, Application US/10209208

GENERAL INFORMATION:

APPLICANT: Taiten, Roger

ATTORNEY OR AGENT: Campbell, Geoffrey, Baird

TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS

FILE REFERENCE: UCO83.1CP2CP2

CURRENT APPLICATION NUMBER: US/10/209,208

CURRENT FILING DATE: 2002-07-29

PRIOR APPLICATION NUMBER: 10/121,258

PRIOR FILING DATE: 2002-04-10

PRIOR APPLICATION NUMBER: 09/866,538

PRIOR FILING DATE: 2001-05-24

PRIOR APPLICATION NUMBER: 09/794,308

PRIOR FILING DATE: 2001-02-26

NUMBER OF SEQ ID NOS: 80

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 11

LENGTH: 239

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: Enhanced Cyan Fluorescent Protein (ECFP)

US-10-209-208-11

Query Match 28.2%; Score 41.5; DB 1; Length 239;

Best Local Similarity 38.1%; Pred. No. 4,7; Mismatches 7; Indels 1; Gaps 1;

Matches 8; Conservative

Qy | | | :| | | | :| :|

Db 140 HKLEYNYTISHNYVITADQKQN 160

;

;

NUMBER OF SEQ ID NOS: 80

SEQ ID NO 14

LENGTH: 239

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: Enhanced Cyan Fluorescent Protein (ECFP)

US-10-209-208-14

Query Match 28.2%; Score 41.5; DB 1; Length 239;

Best Local Similarity 38.1%; Pred. No. 4,7; Mismatches 7; Indels 1; Gaps 1;

Matches 8; Conservative

Qy | | | :| | | | :| :|

Db 140 HKKEENMLSH-LYVSSKDKEN 22

;

RESULT 4

US-10-510-186-22

Sequence 22, Application US/10510386

GENERAL INFORMATION:

APPLICANT: Andersen, Jens Tonne

APPLICANT: Clausen, Ib Groth

APPLICANT: Jorgensen, Steen Troels

APPLICANT: Olsen, Peter Bjarkie

APPLICANT: Rasmussen, Michael Dolberg

TITLE OF INVENTION: Improved Bacillus Host Cell

FILE REFERENCE: 10294.204.US

CURRENT APPLICATION NUMBER: US/10/510,386

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 248

SOFTWARE: Patent in version 3.3

SEQ ID NO 22

LENGTH: 591

TYPE: PRT

ORGANISM: Bacillus licheniformis

US-10-510-186-22

Query Match 27.9%; Score 41; DB 1; Length 591;

Best Local Similarity 29.6%; Pred. No. 17; Mismatches 11; Indels 0; Gaps 0;

Matches 8; Conservative

Qy | | | :| | | :| :|

Db 27 EHKKEENMLSHLYVSSKDKENISKEND 28

ESNKQENEVIVYKNTSGKETVIEQAD 53

;

RESULT 5

US-11-109-156-20

Sequence 20, Application US/11109156

GENERAL INFORMATION:

APPLICANT: Toshio Ota

APPLICANT: Tetsuo Nishikawa

APPLICANT: Koji Hayashi

APPLICANT: Kaoru Otsuka

APPLICANT: Jun-ichi Yamamoto

APPLICANT: Shizuko Ishii

APPLICANT: Tomoyasu Sugiyama

APPLICANT: Ai Wakamatsu

APPLICANT: Keiichi Nagai

APPLICANT: Tetsuji Otsuka

APPLICANT: Shin-ichi Funahashi

APPLICANT: Chiaki Senoo

APPLICANT: Jun-ichi Nezu

TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE

FILE REFERENCE: 06501-099002

CURRENT APPLICATION NUMBER: US/11/109,156

;

CURRENT FILING DATE: 2005-04-19  
; PRIOR APPLICATION NUMBER: US/10/060,065  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP00/05061  
; PRIOR FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: US 60/159,590  
; PRIOR FILING DATE: 1999-10-18  
; PRIOR APPLICATION NUMBER: US 60/183,322  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: JP 11-248036  
; PRIOR FILING DATE: 1999-07-29  
; PRIOR APPLICATION NUMBER: JP 2000-118776  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-183767  
; SEQ ID NO: 20  
; LENGTH: 3056  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-109-156-20

Query Match 27.9%; Score 41; DB 7; Length 3056;

Best Local Similarity 35.0%; Pred. No. 1.3e+02; Mismatches 7; Indels 6; Gaps 0;

Qy 4 KKEEMLSLHYSSKDKENI 23  
Db 1536 KVLDLKKLVIDNKNENL 1555

RESULT 6  
US-10-131-826A-518

Sequence 518, Application US/10131826A  
; Publication No. US20050245730A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurtney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colink K

; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3330R1C128

CURRENT APPLICATION NUMBER: US/10/131,826A  
; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
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; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
; Remaining Prior Application data removed - See File Wrapper or PALM.

PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO: 518  
; LENGTH: 350  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-131-826A-518

Query Match 26.9%; Score 39 5; DB 1; Length 350;  
Best Local Similarity 35.1%; Pred. No. 15;  
Matches 13; Conservative 4; Mismatches 11; Indels 9; Gaps 2;

Qy 1 PEHKKEENMLSHY---VSSKDE---NISKEND 28  
Db 52 PGREKKSNSPKHVTYIASKGSKCPKELVTHGDASTEND 88

RESULT 7  
US-10-131-826A-352

Sequence 352, Application US/10131826A  
; Publication No. US20050245730A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurtney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colink K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3330R1C128

CURRENT APPLICATION NUMBER: US/10/131,826A  
; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; Remaining Prior Application data removed - See File Wrapper or PALM.

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; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 352
; LENGTH: 1119
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-352

    Query Match          26.9%;  Score 39.5;  DB 1;
    Best Local Similarity 48.0%;  Pred. No. 62;
    Matches 12;  Conservative 2;  Mismatches 8;  Indels 3;  Gaps 1;
    PRIOR APPLICATION NUMBER: US 09/472,667
    PRIOR FILING DATE: 1999-12-27
    PRIOR APPLICATION NUMBER: US 09/008,097
    PRIOR FILING DATE: 1998-01-16
    PRIOR APPLICATION NUMBER: US 09/750,240
    PRIOR FILING DATE: 2001-10-12
    PRIOR APPLICATION NUMBER: US 09/472,667
    PRIOR FILING DATE: 1999-12-27
    PRIOR APPLICATION NUMBER: US 09/008,097
    PRIOR FILING DATE: 1998-01-16
    PRIOR APPLICATION NUMBER: US 08/924,757
    PRIOR FILING DATE: 1997-09-05
    PRIOR APPLICATION NUMBER: US 60/048,933
    PRIOR FILING DATE: 1997-06-16
    PRIOR APPLICATION NUMBER: US 08/708,661
    PRIOR FILING DATE: 1996-09-05
    NUMBER OF SEQ ID NOS: 13
    SOFTWARE: FastSEQ for Windows Version 4.0
    SEQ ID NO 11
    LENGTH: 1168
    TYPE: PRT
    ORGANISM: Homo sapiens
US-10-942-072-11

RESULT 8
; Sequence 13, Application US/10942072
; PUBLICATION NO. US20050250721A1
; GENERAL INFORMATION:
; APPLICANT: Hammom, H. K.
; APPLICANT: Insel, P. A.
; APPLICANT: Ping, P.
; APPLICANT: Post, S. R.
; APPLICANT: Gao, M.
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE HEART
; FILE REFERENCE: 220002056723
; CURRENT APPLICATION NUMBER: US/10/942,072
; CURRENT FILING DATE: 2004-09-14
; PRIOR APPLICATION NUMBER: US 09/750,240
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 09/472,667
; PRIOR FILING DATE: 1999-12-27
; PRIOR APPLICATION NUMBER: US 09/008,097
; PRIOR FILING DATE: 1998-01-16
; PRIOR APPLICATION NUMBER: US 08/924,757
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/048,933
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: US 08/708,661
; PRIOR FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 1167
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified AC-VI
US-10-942-072-13

    Query Match          26.9%;  Score 39.5;  DB 1;
    Best Local Similarity 26.5%;  Pred. No. 65;
    Matches 9;  Conservative 5;  Mismatches 9;  Indels 11;  Gaps 1;
    PRIOR APPLICATION NUMBER: US 09/472,667
    PRIOR FILING DATE: 1999-12-27
    PRIOR APPLICATION NUMBER: US 09/008,097
    PRIOR FILING DATE: 1998-01-16
    PRIOR APPLICATION NUMBER: US 08/924,757
    PRIOR FILING DATE: 1997-09-05
    PRIOR APPLICATION NUMBER: US 60/048,933
    PRIOR FILING DATE: 1997-06-16
    PRIOR APPLICATION NUMBER: US 08/708,661
    PRIOR FILING DATE: 1996-09-05
    NUMBER OF SEQ ID NOS: 13
    SOFTWARE: FastSEQ for Windows Version 4.0
    SEQ ID NO 13
    LENGTH: 1168;
    TYPE: PRT
    ORGANISM: Homo sapiens
US-10-942-072-11

RESULT 9
; Sequence 11, Application US/10942072
; PUBLICATION NO. US20050250721A1
; GENERAL INFORMATION:
; APPLICANT: Hammom, H. K.
; APPLICANT: Insel, P. A.
; APPLICANT: Ping, P.
; APPLICANT: Post, S. R.
; APPLICANT: Gao, M.
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE HEART
; FILE REFERENCE: P2330RIC12B
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049311
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR APPLICATION NUMBER: 60/059184

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RESULT 14  
 US-10-982-545-2  
 Sequence 2, Application US/10982545  
 Publication No. US20050244890A1  
 GENERAL INFORMATION:  
 APPLICANT: Davies, Huw Alun  
 APPLICANT: McGuire, James  
 APPLICANT: Simonsen, Anja Hvid  
 APPLICANT: Blennow, Kaij  
 APPLICANT: Podust, Vladimir  
 APPLICANT: CIPHERGEN BIOSYSTEMS, INC.  
 TITLE OF INVENTION: Biomarkers for Alzheimer's Disease  
 FILE REFERENCE: 016866-011550US  
 CURRENT APPLICATION NUMBER: US/10/982.545  
 CURRENT FILING DATE: 2004-11-06  
 PRIOR APPLICATION NUMBER: US 60/518,360  
 PRIOR FILING DATE: 2003-11-07  
 PRIOR APPLICATION NUMBER: US 60/526,753  
 PRIOR FILING DATE: 2003-12-02  
 PRIOR APPLICATION NUMBER: US 60/546,423  
 PRIOR FILING DATE: 2004-02-19  
 PRIOR APPLICATION NUMBER: US 60/547,250  
 PRIOR FILING DATE: 2004-02-23  
 PRIOR APPLICATION NUMBER: US 60/558,896  
 PRIOR FILING DATE: 2004-04-02  
 PRIOR APPLICATION NUMBER: US 60/572,617  
 PRIOR FILING DATE: 2004-05-18  
 PRIOR APPLICATION NUMBER: US 60/586,503  
 PRIOR FILING DATE: 2004-07-08  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 2  
 LENGTH: 617  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: Secretogranin II (Chromogranin C, EM66, secretoneurin) precursor  
 FEATURE:  
 NAME/KEY: PEPTIDE  
 LOCATION: (182)..(214)  
 OTHER INFORMATION: biomarker peptide M3680.7  
 US-10-982-545-2

Query Match 25.9%; Score 38; DB 1; Length 617;  
 Best Local Similarity 28.6%; Pred. No. 49;  
 Matches 8; Conservative 8; Mismatches 12; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKEND 28  
 Db 211 PNNQKRERMDEEQKLYTDDDDIYKANN 238

RESULT 15  
 US-10-209-208-10  
 Sequence 10, Application US/10209208  
 Publication No. US2005024921A1  
 GENERAL INFORMATION:  
 APPLICANT: Tsien, Roger  
 APPLICANT: Campbell, Robert  
 APPLICANT: Geoffrey, Baird  
 TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS  
 FILE REFERENCE: UCO83..1.CP2CP2  
 CURRENT APPLICATION NUMBER: US/10/209,208  
 CURRENT FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US/10/121,258  
 PRIOR FILING DATE: 2002-04-10  
 PRIOR APPLICATION NUMBER: 09/866,538  
 PRIOR FILING DATE: 2001-05-24  
 PRIOR APPLICATION NUMBER: 09/794,308

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Gendcore version 5.1.6

OM protein - protein search, using SW model

Run on: November 22, 2005, 20:24:49 ; Search time 80.9917 Seconds

Scoring table: BL030962

Gapext: 0.5

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA\_Main:  
 1: /cgns\_2\_/ptodata/1/pubpa/0S07\_PUBCOMB.pep:  
 2: /cgns\_6\_/ptodata/1/pubpa/0S08\_PUBCOMB.pep:  
 3: /cgns\_6\_/ptodata/1/pubpa/0S09\_PUBCOMB.pep:  
 4: /cgns\_2\_/ptodata/1/pubpa/0S10\_PUBCOMB.pep:  
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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	14.7	100.0	28	4	US-10-294-770-13	Sequence 13, Appl
2	14.7	100.0	28	4	US-10-774-602-13	Sequence 13, Appl
3	14.7	100.0	169	5	US-10-691-672A-2	Sequence 2, Appl
4	14.7	100.0	188	5	US-10-691-672A-7	Sequence 7, Appl
5	14.7	100.0	647	5	US-10-691-672A-3	Sequence 3, Appl
6	14.3	97.3	28	4	US-10-294-770-4	Sequence 4, Appl
7	14.3	97.3	28	4	US-10-238-741-4	Sequence 4, Appl
8	14.3	97.3	28	4	US-10-774-602-4	Sequence 4, Appl
9	14.3	97.3	64	4	US-10-294-770-1	Sequence 1, Appl
10	14.3	97.3	64	4	US-10-238-741-1	Sequence 1, Appl
11	14.3	97.3	64	4	US-10-774-602-1	Sequence 1, Appl
12	10.1	68.7	41	4	US-10-294-770-14	Sequence 14, Appl
13	10.1	68.7	41	4	US-10-774-602-14	Sequence 14, Appl
14	10.1	68.7	41	5	US-10-691-672A-6	Sequence 6, Appl
15	5.4	36.7	199	4	US-10-437-963-161536	Sequence 1, Appl
16	5.3	36.1	92	4	US-10-437-963-109657	Sequence 109657,
17	5.3	36.1	426	3	US-09-731-872-310	Sequence 310, Appl
18	5.3	36.1	426	3	US-09-731-872-317	Sequence 317, Appl
19	5.3	36.1	426	3	US-09-876-997-310	Sequence 310, Appl
20	5.3	36.1	426	3	US-09-876-997-317	Sequence 317, Appl
21	5.3	36.1	426	4	US-10-655-601-5	Sequence 5, Appl
22	5.3	36.1	426	5	US-10-653-836-310	Sequence 310, Appl
23	5.3	36.1	426	5	US-10-653-836-317	Sequence 317, Appl
24	5.3	36.1	426	5	US-10-503-870A-6	Sequence 6, Appl
25	5.3	36.1	481	3	US-09-731-872-415	Sequence 415, Appl
26	5.3	36.1	481	3	US-09-876-997-415	Sequence 415, Appl
27	5.3	36.1	481	5	US-10-643-836-415	Sequence 415, Appl

## ALIGNMENTS

RESULT 1  
US-10-294-770-13  
 ; Sequence 13, Application US/10294770  
 ; Publication No. US200301618401

; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 23:075905C1P  
 ; CURRENT APPLICATION NUMBER: US/10/294-770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIORITY APPLICATION NUMBER: US 09/356,947  
 ; PRIORITY FILING DATE: 1999-07-19  
 ; PRIORITY APPLICATION NUMBER: US 09/416,711  
 ; PRIORITY FILING DATE: 1995-08-08  
 ; PRIORITY APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIORITY FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 13  
 ; LENGTH: 28  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; OTHER INFORMATION: Synthetic Peptide  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic Peptide  
 US-10-294-770-13

Query Match Score 147; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-12;  
 Matches 28; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYSSKDKENISKEND 28  
 Db 1 PEHKKEENMLSHLYSSKDKENISKEND 28

RESULT 2  
US-10-774-602-13  
 ; Sequence 13, Application US/10774602  
 ; Publication No. US20040141937A1

; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 24:8791US0D1V  
 ; CURRENT APPLICATION NUMBER: US/10/774-602  
 ; CURRENT FILING DATE: 2004-02-10  
 ; PRIORITY APPLICATION NUMBER: US 09/356,947  
 ; PRIORITY FILING DATE: 1999-07-19  
 ; PRIORITY APPLICATION NUMBER: US 10/238,741  
 ; PRIORITY FILING DATE: 2002-09-11  
 ; PRIORITY APPLICATION NUMBER: US 08/416,711

; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO: 13  
 ; LENGTH: 28  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE: Synthetic Peptide  
 ; OTHER INFORMATION: US-10-774-602-13

Query Match 100.0%; Score 147; DB 4; Length 28;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-12; Indels 0; Gaps 0;

RESULT 3  
 US-10-691-672A-2  
 ; Sequence 2, Application US/10691672A  
 ; Publication No. US20050112133A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
 ; FILE REFERENCE: 02356\_0085  
 ; CURRENT APPLICATION NUMBER: US/10/691,672A  
 ; CURRENT FILING DATE: 2003-10-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 3.3  
 ; SEQ ID NO: 2  
 ; LENGTH: 169  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum  
 ; FEATURE: SITE  
 ; NAME/KEY: SITE  
 ; LOCATION: (1) .(169)  
 ; OTHER INFORMATION: MSP3 amino acids 212-360

Query Match 100.0%; Score 147; DB 5; Length 169;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-11; Indels 0; Gaps 0;

RESULT 4  
 US-10-691-672A-7  
 ; Sequence 7, Application US/10691672A  
 ; Publication No. US20050112133A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
 ; FILE REFERENCE: 02356\_0085  
 ; CURRENT APPLICATION NUMBER: US/10/691,672A  
 ; CURRENT FILING DATE: 2003-10-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 3.3  
 ; SEQ ID NO: 7  
 ; LENGTH: 188

; LOCATION: (1) .(188)  
 ; OTHER INFORMATION: MSP3a to MSP3f  
 ; US-10-691-672A-7

Query Match 100.0%; Score 147; DB 5; Length 188;  
 Best Local Similarity 100.0%; Pred. No. 2.2e-11; Indels 0; Gaps 0;

RESULT 5  
 US-10-691-672A-3  
 ; Sequence 3, Application US/10691672A  
 ; Publication No. US20050112133A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
 ; FILE REFERENCE: 02356\_0085  
 ; CURRENT APPLICATION NUMBER: US/10/691,672A  
 ; CURRENT FILING DATE: 2003-10-24  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 3.3  
 ; SEQ ID NO: 3  
 ; LENGTH: 647  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 ; OTHER INFORMATION: Peptide  
 ; NAME/KEY: SITE  
 ; LOCATION: (1) .(647)  
 ; OTHER INFORMATION: GLURP MSP3 fusion protein

Query Match 100.0%; Score 147; DB 5; Length 647;  
 Best Local Similarity 100.0%; Pred. No. 8.6e-11; Indels 0; Gaps 0;

RESULT 6  
 US-10-294-770-4  
 ; Sequence 4, Application US/10294770  
 ; Publication No. US20030161840A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 230753050CIP  
 ; CURRENT APPLICATION NUMBER: US/10/294,770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIORITY NUMBER: US 09/356,947  
 ; PRIORITY NUMBER: 1999-07-19  
 ; PRIORITY NUMBER: US 08/416,711  
 ; PRIORITY NUMBER: 1995-08-08  
 ; PRIORITY NUMBER: PCT/FR93/0024  
 ; PRIORITY NUMBER: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 4  
 ; LENGTH: 28  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum

Query Match 97.3%; Score 143; DB 4; Length 28;

Best Local Similarity 96.4%; Pred. No. 8.9e-12; Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28  
Db 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28

**RESULT 7**

US-10-238-741-4 Sequence 4 Application US/10238741  
Publication No. US20000956466A1  
GENERAL INFORMATION:  
APPLICANT: DRUILHE, PIERRE BOUHAROUN-TAYOUN, HASNAQ  
TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
P.C.  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10-238-741  
FILING DATE: 09-Nov-2002  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/09/356,497  
FILING DATE: 19-Jul-1999  
APPLICATION NUMBER: US/08/416,711  
FILING DATE: 08-AUG-1995  
APPLICATION NUMBER: PCT/FR93/01024  
FILING DATE: 18-OCT-1993  
APPLICATION NUMBER: FR 92/12488  
FILING DATE: 19-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-3220  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-238-741-4 Query Match 97.3%; Score 143; DB 4; Length 28;  
Best Local Similarity 96.4%; Pred. No. 8.9e-12; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28  
Db 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28

; Sequence 4, Application US/10774602  
; Publication No. US20040141987A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 248791050DIV  
; CURRENT APPLICATION NUMBER: US/10-774-602  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 10/238-741  
; PRIOR FILING DATE: 2002-09-11  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1999-07-19  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-774-602-4

Query Match 97.3%; Score 143; DB 4; Length 28;  
Best Local Similarity 96.4%; Pred. No. 8.9e-12; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28  
Db 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28

; Sequence 1, Application US/10294770  
; Publication No. US20030161840A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
; FILE REFERENCE: 230759105CIP  
; CURRENT APPLICATION NUMBER: US/10/294-770  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: US 09/356,947  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: US 08/416,711  
; PRIOR FILING DATE: 1995-08-08  
; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
; PRIOR FILING DATE: 1993-10-18  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Plasmodium falciparum  
US-10-294-770-1

Query Match 97.3%; Score 143; DB 4; Length 64;  
Best Local Similarity 96.4%; Pred. No. 2.2e-11; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKENE 28  
Db 37 PEHKKEENMLSHLYVSSKDKENTSKENE 64

; Sequence 1, Application US/10238741  
; Publication No. US20040196466A1  
; GENERAL INFORMATION:  
; APPLICANT: DRUILHE, PIERRE  
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ

**RESULT 8**

US-10-774-602-4

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; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-Nov-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-JUL-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 16-OCT-1993
; APPLICATION NUMBER: FR 92/124 88
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
; LENGTH: 64 amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1
Query Match 97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2,2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64
; RESULT 13
US-10-774-602-14
Query Match 68.7%; Score 101; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 4,6e-06;
Matches 20; Conservative 20; Mismatches 0; Indels 0; Gaps 0;
Qy 9 MLSHLYVSSKDKENISKEND 28
Db 1 MLSHLYVSSKDKENISKEND 20
; RESULT 13
US-10-774-602-14
Query Match 97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2,2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64
; RESULT 11
US-10-774-602-1
; Sequence 1, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791US0DIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin version 3.1

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SEQ ID NO 14  
 LENGTH: 41  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Synthetic Peptide  
 US-10-774-602-14  
 Query Match 68.7%; Score 101; DB 4; Length 41;  
 Best Local Similarity 100.0%; Pred. No. 4.6e-06;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Gaps 0;  
 Qy 9 MLSHLVYSSDKDENISKEND 28  
 Db 1 MLSHLVYSSDKDENISKEND 20

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RESULT 14  
 US-10-691-672A-6  
 Sequence 6, Application US/10691672A  
 Publication No. US20050112133A1  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
 TITLE OF INVENTION: MALARIAL VACCINES CONTAINING IT  
 FILE REFERENCE: 02356.0085  
 CURRENT APPLICATION NUMBER: US/10/691,672A  
 CURRENT FILING DATE: 2003-10-24  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn Ver. 3.3  
 SEQ ID NO 6  
 LENGTH: 41  
 TYPE: PRT  
 ORGANISM: Plasmodium falciparum  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (1)...(41)  
 OTHER INFORMATION: MSP3d  
 US-10-691-672A-6

Query Match 68.7%; Score 101; DB 5; Length 41;  
 Best Local Similarity 100.0%; Pred. No. 4.6e-06;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Gaps 0;  
 Qy 9 MLSHLVYSSDKDENISKEND 28  
 Db 1 MLSHLVYSSDKDENISKEND 20

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RESULT 15  
 US-10-437-963-161536  
 Sequence 161536, Application US/10437963  
 Publication No. US20040123343A1  
 GENERAL INFORMATION:  
 APPLICANT: La Rosa, Thomas J.  
 APPLICANT: Kovalic, David K.  
 APPLICANT: Zhou, Yihua  
 APPLICANT: Wu, Wei  
 APPLICANT: Boukharov, Andrey A.  
 APPLICANT: Barbazuk, Brad  
 APPLICANT: Li, Ping  
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 FILE REFERENCE: 38-21 (S3221)B  
 CURRENT APPLICATION NUMBER: US/10/437,963  
 CURRENT FILING DATE: 2003-05-14  
 NUMBER OF SEQ ID NOS: 204966  
 SEQ ID NO 161536  
 LENGTH: 199  
 TYPE: PRT  
 ORGANISM: Oryza sativa  
 FEATURE:

ପ୍ରକାଶନ କମିଶନ୍ ଓ ପ୍ରକାଶନ

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OM protein - protein search, using bw model.

Run on: November 22, 2005, 20:20:23 ; Search time 17.5868 Seconds  
(without alignments)

Title: US-10-774-602-13

Predict score: 147

Sequence: 1 PEHKKEENMLSHLYVSSKDKENISKEND 28

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents MA:  
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 2: /ccn2\_6/pctodata/1/iaa/6 COMB.pep.\*  
 3: /ccn2\_6/pctodata/1/iaa/H COMB.pep.\*  
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 5: /ccn2\_6/pctodata/1/iaa/RE COMB.pep.\*  
 6: /ccn2\_6/pctodata/1/iaa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description	
1	143	97.3	28	2	US-08-416-711-4		Sequence 4, Appli	
2	143	97.3	28	2	US-08-356-497-4		Sequence 4, Appli	
3	143	97.3	28	2	US-10-238-741-4		Sequence 1, Appli	
4	143	97.3	64	2	US-08-416-711-1		Sequence 1, Appli	
5	143	97.3	64	2	US-08-356-497-1		Sequence 1, Appli	
6	143	64	2	2	US-10-238-741-1		Sequence 1, Appli	
7	58	39.5	121	2	US-08-270-767-35885		Sequence 35885, A	
8	58	39.5	121	2	US-08-270-775-51102		Sequence 51102, A	
9	48.5	33.0	189	2	US-08-710-279-692		Sequence 2692, Ap	
10	48.5	33.0	652	1	US-08-261-663A-6		Sequence 6, Appli	
11	48.5	33.0	652	2	US-08-357-206A-5		Sequence 5, Appli	
12	48.5	33.0	652	2	US-08-813-742A-5		Sequence 6, Appli	
13	48.5	33.0	652	4	PCT-US95-0775A-6		Sequence 6, Appli	
14	48.5	33.0	746	2	US-08-134-001C-3214		Sequence 3214, Ap	
15	48	32.7	87	2	US-08-107-433-4959		Sequence 4959, Ap	
16	47	5	32.3	68	2	US-09-621-976-7228		Sequence 7228, Ap
17	47	5	32.3	68	2	US-08-621-76-7229		Sequence 7229, Ap
18	47	5	32.3	68	2	US-09-621-976-7234		Sequence 7234, Ap
19	47	5	32.3	72	2	US-09-248-796A-17147		Sequence 17147, A
20	47	5	32.3	128	2	US-08-513-999C-7954		Sequence 7954, Ap
21	47	5	32.3	128	2	US-09-513-999C-7955		Sequence 7955, Ap
22	47	5	32.3	128	2	US-09-327-750F-31		Sequence 31, Appli
23	47	5	32.3	404	2	US-09-710-279-398		Sequence 398, App
24	47	5	32.3	644	2	US-08-710-279-436		Sequence 436, Ap
25	47	5	32.3	889	1	US-08-118-101A-4		Sequence 4, Appli
26	47	5	32.3	1073	2	US-09-541-782-6		Sequence 6, Appli
27	47	5	32.3	1073	2	US-09-723-820-6		Sequence 6, Appli

## ALIGNMENTS

RESULT 1  
US-08-416-711-4

; Sequence 4, Application US/08416711  
; Patent No. 601538

; GENERAL INFORMATION:

; APPLICANT: DRUILHE, PIERRE  
; BOUHAROUN-TAYOON, HASNAQ  
; OUEVRAY, CLAUDE

; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS: 10  
; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
; CITY: ARLINGTON  
; STATE: VA  
; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/416,711  
; FILING DATE: 08-AUG-1995  
; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR93/01024  
; FILING DATE: 18-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 92/12488  
; FILING DATE: 19-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE DOCKET NUMBER: 660-085-0 PCT

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

US-08-416-711-4

Query Match 97.3%; Score 143; DB 2; Length 28;  
 Best Local Similarity 96.4%; Prod. No. 1.5e-14;  
 Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
 Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28

## RESULT 2

US-09-356-497-4  
 Sequence 4, Application US/09356497  
 Patent No. 6472519

## GENERAL INFORMATION:

APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ  
 OUVRAY, CLAUDE  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 PROTECTIVE ANTIBODIES  
 NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 P.C.  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/238,741

FILING DATE: 09 NO. 6949627-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/09/356,497

FILING DATE: 19-JUL-1999

APPLICATION NUMBER: US/08/416,711

FILING DATE: 08-AUG-1995

APPLICATION NUMBER: PCT/FR93/01024

FILING DATE: 18-OCT-1993

APPLICATION NUMBER: FR 92/124488

FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 660-085-0 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-413-3000

TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-238-741-4

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-356-497-4

Query Match 97.3%; Score 143; DB 2; Length 28;

Best Local Similarity 96.4%; Prod. No. 1.5e-14;

Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
 Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28

## RESULT 3

US-10-238-741-4  
 Sequence 4, Application US/10238741

GENERAL INFORMATION:  
 PROTECTIVE ANTIBODIES  
 NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

Patent No. 6949627  
 GENERAL INFORMATION:  
 BOUHAROUN-TAYOUN, HASNAQ  
 OUVRAY, CLAUDE  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 PROTECTIVE ANTIBODIES  
 NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 P.C.  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/238,741

FILING DATE: 09 NO. 6949627-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/09/356,497

FILING DATE: 19-Jul-1999

APPLICATION NUMBER: US/08/416,711

FILING DATE: 08-AUG-1995

APPLICATION NUMBER: PCT/FR93/01024

FILING DATE: 18-OCT-1993

APPLICATION NUMBER: FR 92/124488

FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 660-085-0 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-413-3000

TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-238-741-4

Query Match 97.3%; Score 143; DB 2; Length 28;

Best Local Similarity 96.4%; Prod. No. 1.5e-14;

Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
 Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28

## RESULT 4

US-08-416-711-1  
 Sequence 1, Application US/08416711

Patent No. 6017538

GENERAL INFORMATION:

DRUILHE, PIERRE

APPLICANT: BOUHAROUN-TAYOUN, HASNAQ

APPLICANT: OUVRAY, CLAUDE

APPLICANT: PLASMODIUM FALCIPARUM ANTIGENS INDUCING

PROTECTIVE ANTIBODIES

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

ADDRESSEE: P.C. JEFFERSON DAVIS HIGHWAY  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-AUG-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 18-OCT-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: FR 92/12488  
 FILING DATE: 19-OCT-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-413-3000  
 TELEFAX: 703-413-2220  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 64 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-09-356-497-1

RESULT 5  
 US-09-356-497-1

Query Match 97.3%; Score 143; DB 2; Length 64;  
 Best Local Similarity 96.4%; Pred. No. 3.9e-14;  
 Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKEND 28  
 Db 37 PEHKKEENMLSHLYVSSKDKENTSKENE 64

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: DRUILHE, PIERRE, BOUHAROUN-TAYOUN, HASNAQ  
 PATENT NO. 6472519  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 NUMBER OF SEQUENCES: 10  
 PROTECTIVE ANTIBODIES

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: DRUILHE, PIERRE, BOUHAROUN-TAYOUN, HASNAQ  
 PATENT NO. 6472519  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 NUMBER OF SEQUENCES: 10  
 PROTECTIVE ANTIBODIES

RESULT 6  
 US-10-338-741-1

Query Match 97.3%; Score 143; DB 2; Length 64;  
 Best Local Similarity 96.4%; Pred. No. 3.9e-14;  
 Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENTSKEND 28  
 Db 37 PEHKKEENMLSHLYVSSKDKENTSKENE 64

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 PATENT NO. 6949627  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/238,741  
 FILING DATE: 09-Aug-1995  
 FILING DATE: 09-No. 6949627-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/09/356,497  
 FILING DATE: 19-Jul-1999  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-AUG-1995  
 APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 18-OCT-1993  
 APPLICATION NUMBER: FR 92/12488  
 FILING DATE: 19-OCT-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-413-3000  
 TELEXFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 64 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: peptide  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-10-238-741-1

Query Match 39.5%; Score 58; DB 2; Length 121;  
 Best Local Similarity 50.0%; Pred. No. 0.38;  
 Matches 11; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

Qy 7 ENMLSHLYVSSKDKENISKEND 28  
 Db 84 KNIFSHLYVISEKSNSNYQSN 105

RESULT 9  
 US-09-710-279-2692  
 Sequence 2692, Application US/09710279  
 ; Patent No. 6703492  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KIMMELLY, WILLIAM JOHN  
 ; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
 ; CURRENT APPLICATION NUMBER: US/09/710,279  
 ; CURRENT FILING DATE: 2000-11-09  
 ; PRIOR APPLICATION NUMBER: 60/164,258  
 ; PRIOR FILING DATE: 1999-11-09  
 ; NUMBER OF SEQ ID NOS: 4472  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 2692  
 ; LENGTH: 189  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURES:  
 ; OTHER INFORMATION: Description of Artificial sequence: synthetic  
 ; OTHER INFORMATION: amino acid sequence  
 ; OTHER INFORMATION: amino acid sequence

US-09-710-279-2692

Query Match 33.0%; Score 48.5; DB 2; Length 189;  
 Best Local Similarity 42.9%; Pred. No. 1.7;  
 Matches 12; Conservative 5; Mismatches 8; Indels 3; Gaps 1;

Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28  
 Db 88 POYLVEDWMS--ISSKDGDFFKND 112

RESULT 10  
 US-08-261-663A-6  
 Sequence 6, Application US/08261663A  
 ; Patent No. 5571706  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Barbara J  
 ; ATTORNEY/AGENT INFORMATION:  
 ; TITLE OF INVENTION: Plant Virus Resistance Gene and Methods  
 ; NUMBER OF SEQUENCES: 6  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Margaret A. Connor, USDA-ARS  
 ; STREET: 800 Buchanan Street  
 ; CITY: Albany  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94710  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/261,663A  
 ; FILING DATE:  
 ; CLASSIFICATION: 800  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Connor, Margaret A.  
 ; REGISTRATION NUMBER: 30043  
 ; REFERENCE/DOCENT NUMBER: 0094.94  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (510) 559-5067  
 ; TELEFAX: (510) 559-5777

US-09-270-767-35885

Sequence 35885, Application US/09270767  
 ; Patent No. 6703491  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Homburger et al.  
 ; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
 ; FILE REFERENCE: File Reference: 7326-094  
 ; CURRENT APPLICATION NUMBER: US/09/270,767  
 ; NUMBER OF SEQ ID NOS: 62517  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 35885  
 ; LENGTH: 121  
 ; TYPE: PRT  
 ; ORGANISM: Drosophila melanogaster  
 ; FEATURE:  
 ; OTHER INFORMATION: Xaa means any amino acid

US-09-270-767-35885

Query Match 39.5%; Score 58; DB 2; Length 121;  
 Best Local Similarity 50.0%; Pred. No. 0.38;  
 Matches 11; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

Qy 7 ENMLSHLYVSSKDKENISKEND 28  
 Db 84 KNIFSHLYVISEKSNSNYQSN 105

RESULT 8  
 US-09-270-767-51102  
 Sequence 51102, Application US/09270767  
 ; Patent No. 6703491  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Homburger et al.  
 ; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
 ; FILE REFERENCE: File Reference: 7326-094  
 ; CURRENT APPLICATION NUMBER: US/09/270,767  
 ; CURRENT FILING DATE: 1999-03-17  
 ; NUMBER OF SEQ ID NOS: 62517  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 51102  
 ; LENGTH: 121  
 ; TYPE: PRT  
 ; ORGANISM: Drosophila melanogaster  
 ; FEATURE:  
 ; OTHER INFORMATION: Xaa means any amino acid

US-09-270-767-51102

INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 652 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-261-661A-6

Query Match 33.0%; Score 48.5; DB 1; Length 652;  
 Best Local Similarity 50.0%; Pred. No. 73;  
 Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 8 NMFLSHLYVSSKDKENIS-KEND 28  
 Db 606 NSLRHLWTETKCKNNAEKEEGD 627

RESULT 11  
 US-09-357-206A-5  
 Sequence 5, Application US/09357206A  
 Patent No. 6372962  
 GENERAL INFORMATION:  
 APPLICANT: Dinesh-Kumar, S.  
 APPLICANT: Baker, Barbara  
 TITLE OF INVENTION: Pathogen Resistance in Plants using cDNA-N/Intron Constructs  
 FILE REFERENCE: 042250/191805 (5830-5)  
 CURRENT APPLICATION NUMBER: US/09/357,206A  
 CURRENT FILING DATE: 1999-07-20  
 PRIOR APPLICATION NUMBER: US 60/093,494  
 PRIOR FILING DATE: 1998-07-20  
 NUMBER OF SEQ ID NOS: 22  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 5  
 LENGTH: 652  
 TYPE: PRT  
 ORGANISM: Nicotiana glutinosa  
 US-09-357-206A-5

Query Match 33.0%; Score 48.5%; DB 2; Length 652;  
 Best Local Similarity 50.0%; Pred. No. 73;  
 Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 8 NMFLSHLYVSSKDKENIS-KEND 28  
 Db 606 NSLRHLWTETKCKNNAEKEEGD 627

RESULT 12  
 US-09-813-742A-5  
 Sequence 5, Application US/09813742A  
 Patent No. 6630618  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Barbara J  
 APPLICANT: Dinesh-Kumar, S.P.  
 TITLE OF INVENTION: NON-PATHOGEN INDUCED SYSTEMIC ACQUIRED RESISTANCE (SAR) IN PLANTS  
 FILE REFERENCE: 42250/209601 (5830-12)  
 CURRENT APPLICATION NUMBER: US/09/813,742A  
 CURRENT FILING DATE: 2001-03-21  
 PRIOR APPLICATION NUMBER: 60/191,027  
 PRIOR FILING DATE: 2000-03-21  
 NUMBER OF SEQ ID NOS: 11  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 5  
 LENGTH: 652  
 TYPE: PRT  
 ORGANISM: Nicotiana glutinosa  
 US-09-813-742A-5

Query Match 33.0%; Score 48.5%; DB 2; Length 652;  
 Best Local Similarity 50.0%; Pred. No. 73;  
 Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 8 NMFLSHLYVSSKDKENIS-KEND 28

Db 606 NSLRHLWTETKCKNNAEKEEGD 627

RESULT 13  
 PCT-US5-07754A-6  
 Sequence 6, Application PC/US9507754A  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Barbara J  
 APPLICANT: Whitham, Steven A  
 TITLE OF INVENTION: Plant Virus Resistance Gene and Methods  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Margaret A. Connor, USDA-ARS  
 STREET: 800 Buchanan Street  
 CITY: Albany  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94710  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US95/07754A  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Connor, Margaret A.  
 REGISTRATION NUMBER: 30043  
 REFERENCE/DOCKET NUMBER: 0094-94  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (510) 559-6067  
 TELEFAX: (510) 559-5777  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 652 amino acids  
 TYPE: amino acid  
 MOLECULE TYPE: protein  
 PCT-US5-07754A-6

Query Match 33.0%; Score 48.5%; DB 4; Length 652;  
 Best Local Similarity 50.0%; Pred. No. 73;  
 Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 8 NMFLSHLYVSSKDKENIS-KEND 28  
 Db 606 NSLRHLWTETKCKNNAEKEEGD 627

RESULT 14  
 US-09-134-001C-3214  
 Sequence 13, Application US/09134001C  
 Patent No. 6380370  
 GENERAL INFORMATION:  
 APPLICANT: Lynn Doucette-Stamm et al  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIOR APPLICATION NUMBER: US 60/064,964  
 PRIOR FILING DATE: 1997-11-08  
 PRIOR APPLICATION NUMBER: US 60/055,779  
 PRIOR FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 3214  
 LENGTH: 746  
 TYPE: PRT  
 ORGANISM: Staphylococcus epidermidis  
 US-09-134-001C-3214

Query Match Similarity 33.0%; Score 48.5; DB 2; Length 746;  
 Best Local Similarity 42.9%; Pred. No. 86; Mismatches 8; Indels 3; Gaps 1;  
 Matches 12; Conservative 5; MisMatches 8; Indels 3; Gaps 1;

Qy 1 PEHKKEENMLSHLYVSSKDKENISKEN 28  
 Db 645 PQYLEDVMS---ISSRKDGEDFKPKND 669

---

RESULT 15

US-09-107-433-4959

/ Sequence 4959, Application US/09107433

/ Patent No. 6800744

/ GENERAL INFORMATION:

/ APPLICANT: Lynn A Doucette-Stamm and David Bush

/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID

/ SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSIS

/ THERAPEUTICS

/ NUMBER OF SEQUENCES: 5206

/ CORRESPONDENCE ADDRESS:

/ ADDRESSEE: GENOME THERAPEUTICS CORPORATION

/ STREET: 100 Beaver Street

/ CITY: Waltham

/ STATE: Massachusetts

/ COUNTRY: USA

/ ZIP: 02354

/ COMPUTER READABLE FORM:

/ MEDIUM TYPE: CD/ROM ISO9660

/ COMPUTER: <Unknown>

/ OPERATING SYSTEM: <Unknown>

/ SOFTWARE: <Unknown>

CURRENT APPLICATION DATA:

/ APPLICATION NUMBER: US/09/107,433

/ FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

/ APPLICATION NUMBER: 60/ 085131

/ FILING DATE: May 12, 1998

/ APPLICATION NUMBER: 60/051553

/ FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

/ NAME: Arinieillo, Pamela Deneke

/ REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-011

TELECOMMUNICATION INFORMATION:

/ TELEPHONE: (781)893-5007

/ TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 4959:

/ SEQUENCE CHARACTERISTICS:

/ LENGTH: 87 amino acids

/ TYPE: amino acid

/ TOPOLOGY: linear

/ MOLECULE TYPE: protein

/ HYPOTHETICAL: YES

ORIGINAL SOURCE:

/ ORGANISM: Streptococcus pneumoniae

FEATURE:

/ NAME/KEY: misc\_feature

/ LOCATION: (B) LOCATION 1...87

SEQUENCE DESCRIPTION: SEQ ID NO: 4959:

US-09-107-433-4959

Query Match Similarity 32.7%; Score 48; DB 2; Length 87;  
 Best Local Similarity 40.9%; Pred. No. 7.8; Mismatches 8; Indels 0; Gaps 0;  
 Matches 9; Conservative 5; MisMatches 8; Indels 0; Gaps 0;

Qy 6 EENMLSHLYVSSKDKENISKEN 27  
 Db 1 KENVMRSERISLLENRKS 22



SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 26  
 LENGTH: 751  
 TYPE: PRT  
 ORGANISM: Mus musculus  
 US-11-012-762-26

Query Match 27.7%; Score 41.5%; DB 1; Length 501;  
 Best Local Similarity 44.4%; Pred. No. 18;  
 Matches 12; Conservative 2; Mismatches 8; Indels 5; Gaps 2;

RESULT 5  
 US-10-467-962B-85  
 SYDYLQWEFGG-GYYPE--HKKEEN 27 ; Sequence 85, Application US/10467962B  
 Qy 6 :|||:|||:|||:|||:|||:|||:  
 Db 14 SGGSSAWSPGSSGPVPHKLEK 40 ; Publication No. US20050246784A1

GENERAL INFORMATION:  
 APPLICANT: Novozymes A/S  
 ATTORNEY: Thisted, Thomas  
 APPLICANT: Kjaerulf, Soren  
 APPLICANT: Andersen, Carsten  
 APPLICANT: Fuglsang, Claus Crone  
 TITLE OF INVENTION: Alpha-amylase mutants with altered properties  
 FILE REFERENCE: 10062200-US  
 CURRENT APPLICATION NUMBER: US/10/630,203  
 PRIOR APPLICATION NUMBER: US/09/918,543  
 PRIOR FILING DATE: 2001-07-31  
 NUMBER OF SEQ ID NOS: 30  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 27  
 LENGTH: 501  
 TYPE: PRT  
 ORGANISM: Bacillus sp.  
 US-10-630-203-27

Query Match 27.3%; Score 41%; DB 1; Length 501;  
 Best Local Similarity 37.5%; Pred. No. 14;  
 Matches 9; Conservative 4; Mismatches 11; Indels 0; Gaps 0;

RESULT 6  
 US-10-967-457-74  
 KEASSYDYLQWEFGGGVPHEKKE 25 ; Sequence 74, Application US/10967457  
 Qy 2 :|||:|||:|||:|||:|||:  
 Db 209 EENGNDYLLGSNIDFSHPEVODE 232 ; Publication No. US2005024911A1

GENERAL INFORMATION:  
 APPLICANT: Human Genome Sciences, Inc.  
 TITLE OF INVENTION: Albumin Fusion Proteins  
 FILE REFERENCE: PF545PCT  
 CURRENT APPLICATION NUMBER: US/10/967,457  
 CURRENT FILING DATE: 2004-10-19  
 PRIOR APPLICATION NUMBER: US/09/833,041  
 PRIOR FILING DATE: 2001-04-12  
 PRIOR APPLICATION NUMBER: 60/229,358  
 PRIOR FILING DATE: 2000-04-12  
 PRIOR APPLICATION NUMBER: 60/256,931  
 PRIOR FILING DATE: 2000-12-21  
 PRIOR APPLICATION NUMBER: 60/199,384  
 PRIOR FILING DATE: 2000-04-25  
 NUMBER OF SEQ ID NOS: 90  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 74  
 LENGTH: 429  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-967-457-74

Query Match 26.0%; Score 39%; DB 1; Length 429;  
 Best Local Similarity 85.7%; Pred. No. 23;  
 Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 Qy 16 GGGVPBH 22 ;|||:|||

SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 28  
 LENGTH: 501  
 TYPE: PRT  
 ORGANISM: Bacillus sp.  
 US-10-630-203-28

Db 45 GGGLPEH 51

RESULT 7

; Sequence 2, Application US/11004057-2  
; Publication No. US20050244846A1  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Gary L.  
; TITLE OF INVENTION: MERKL PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING  
; FILE REFERENCE: CPI-042CPPC  
; CURRENT FILING DATE: 2004-12-02  
; PRIORITY APPLICATION NUMBER: US/11/004,057  
; PRIORITY FILING DATE: 2004-05-10  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 672  
; TYPE: PRT  
; ORGANISM: Mus musculus  
; US-11-004-057-2

Query Match 26.0%; Score 39; DB 7; Length 672;  
Best Local Similarity 41.2%; Pred. No. 36;  
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 3 EASSYDTILGWEFGGGV 19  
Db 475 EKSNYNLFIEWMAGGSV 491

RESULT 8

; Sequence 6, Application US/11004057-6  
; Publication No. US20050244846A1  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Gary L.  
; TITLE OF INVENTION: MERKL PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING  
; FILE REFERENCE: CPI-042CPPC  
; CURRENT FILING DATE: 2004-12-02  
; PRIORITY APPLICATION NUMBER: US/11/004,057  
; PRIORITY FILING DATE: 2004-05-10  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 1302  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-11-004-057-6

Query Match 26.0%; Score 39; DB 7; Length 1302;  
Best Local Similarity 41.2%; Pred. No. 71;  
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 3 EASSYDTILGWEFGGGV 19  
Db 1105 EKSNYNLFIEWMAGGSV 1121

RESULT 9

; Sequence 4, Application US/11004057-4  
; Publication No. US20050244846A1  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Gary L.  
; TITLE OF INVENTION: MERKL PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING  
; FILE REFERENCE: CPI-042CPPC  
; CURRENT FILING NUMBER: US/11/004,057

CURRENT FILING DATE: 2004-12-02  
PRIORITY APPLICATION NUMBER: US/09/403,075  
PRIORITY FILING DATE: 2000-05-10  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 1493  
TYPE: PRT  
ORGANISM: Mus musculus  
US-11-004-057-4

Query Match 26.0%; Score 39; DB 7; Length 1493;  
Best Local Similarity 41.2%; Pred. No. 81;  
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 3 EASSYDTILGWEFGGGV 19  
Db 1296 EKSNYNLFIEWMAGGSV 1312

RESULT 10

; Sequence 14, Application US/10467962B  
; Publication No. US2005046794A1  
; GENERAL INFORMATION:  
; APPLICANT: Plesch, Gunnar  
; APPLICANT: Blau, Astrid  
; APPLICANT: Daeschnier, Klaus  
; APPLICANT: Klein, Mathie  
; TITLE OF INVENTION: Identification of Herbicidally Active Substances  
; CURRENT APPLICATION NUMBER: US/10/467,962B  
; CURRENT FILING DATE: 2003-08-14  
; PRIORITY APPLICATION NUMBER: PCT/EP02/01466  
; PRIORITY FILING DATE: 2002-02-13  
; NUMBER OF SEQ ID NOS: 109  
; SEQ ID NO 14  
; LENGTH: 452  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; US-10-467-962B-14

Query Match 25.7%; Score 38.5; DB 1; Length 452;  
Best Local Similarity 46.2%; Pred. No. 29;  
Matches 12; Conservative 3; Mismatches 8; Indels 3; Gaps 2;

Qy 2 KBASSY-DYIICWBFGGVPBKKE 26  
Db 263 KEANYCDYIIGQYDGS--SSTKKE 286

RESULT 11

; Sequence 34, Application US/11038284  
; Publication No. US2005024673A1  
; GENERAL INFORMATION:  
; APPLICANT: COOKE, DAVID  
; APPLICANT: DEBBET, MARTINE  
; APPLICANT: GIDLEY, MICHAEL, JOHN  
; APPLICANT: JOBLING, STEPHEN, ALAN  
; APPLICANT: SAFFORD, RICHARD  
; APPLICANT: SIDEBOTTOM, CHRISTOPHER, MICHAEL  
; APPLICANT: WESTCOTT, ROGER, JOHN  
; TITLE OF INVENTION: IMPROVEMENTS IN OR RELATING TO PLANT STARCH COMPOSITION  
; FILE REFERENCE: 054163-5003-US  
; CURRENT APPLICATION NUMBER: US/11/038,284  
; CURRENT FILING DATE: 2005-01-21  
; PRIORITY APPLICATION NUMBER: US/10/056,454  
; PRIORITY FILING DATE: 2002-01-24  
; PRIORITY APPLICATION NUMBER: PCT/GB96/01075  
; PRIORITY FILING DATE: 1996-05-03  
; PRIORITY APPLICATION NUMBER: GB 9607409.1

```

; APPLICANT: Zhang, Zhenin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEAR
; FILE REFERENCE: P3330RIC128
; CURRENT APPLICATION NUMBER: US/10/131-826A
; CURRENT FILING DATE: 2002-04-24
; PRIORITY NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIORITY NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIORITY NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059124
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059126
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059128
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059130
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059132
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059134
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059136
; PRIOR FILING DATE: 1997-09-17
; PRIORITY NUMBER: 60/059138
; PRIOR FILING DATE: 1997-09-18
; PRIORITY NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIORITY NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIORITY NUMBER: 60/059354
; PRIOR FILING DATE: 1997-09-19
; PRIORITY NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.

Query Match 25.7%; Score 38.5; DB 7; Length 695;
Best Local Similarity 33.3%; Pred. No. 44;
Matches 12; Conservative 0; Mismatches 3; Indels 21; Gaps 2;

Qy    7 DYIILG---WBRGG-----GVPE 21
      |   ||| | | | | | | | | | | |
Db    621 YRVALGSDAWFGHGRAGHDVDFHTSPEGIPSYVE 656

RESULT 12
US-10-467-962B-81
; Sequence 81, Application US/10467962B
; Publication No. US200502467984A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Michael
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467-962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 81
; LENGTH: 1001
; TYPE: PRT
; ORGANISM: Solanum tuberosum
; SEQ ID NO 316
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-316

Query Match 25.3%; Score 38; DB 1; Length 288;
Best Local Similarity 41.2%; Pred. No. 22;
Matches 7; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

Qy    3 EASSYYILGWEEFGGVY 19
      |:::| | | | | | | | | |
Db    260 EAAAHKYGIDWASGRGV 276

RESULT 14
US-11-038-284-25
; Sequence 25, Application US/11038284
; Publication No. US20050246733A1
; GENERAL INFORMATION:
; APPLICANT: COOKE, DAVID
; APPLICANT: DEBEAT, MARTINE
; APPLICANT: GIDLEY, MICHAEL, JOHN
; APPLICANT: JOBLING, STEPHEN, ALAN
; APPLICANT: SAFFORD, RICHARD
; APPLICANT: SIDEBOOTH, CHRISTOPHER, MICHAEL
; APPLICANT: WESTCOTT, ROGER, JOHN
; TITLE OF INVENTION: IMPROVEMENTS IN OR RELATING TO PLANT STARCH COMPOSITION
; FILE REFERENCE: 05163-5103-US
; CURRENT APPLICATION NUMBER: US/11/038-284
; CURRENT FILING DATE: 2005-01-21
; PRIORITY NUMBER: US/10/056-154
; PRIOR APPLICATION NUMBER: 60/056-154
; PRIOR FILING DATE: 2002-01-24
; PRIORITY NUMBER: PCT/GB96/01075
; PRIOR FILING DATE: 1996-05-03
; PRIORITY NUMBER: GB 9607409-1
; PRIOR FILING DATE: 1996-04-10
; PRIORITY NUMBER: PCT/GB95/09229-2
; PRIOR FILING DATE: 1995-05-05
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Solanum tuberosum
; SEQ ID NO 316
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-316

Query Match 25.7%; Score 38.5; DB 1; Length 1001;
Best Local Similarity 38.1%; Pred. No. 64;
Matches 8; Conservative 3; Mismatches 7; Indels 3; Gaps 1;

Qy    10 ILGWEEFGGV--PEHKKEN 27
      :||| | | | | | | | | | |
Db    575 LVGWSIGGAVAYPDENLPEP 595

RESULT 13
US-10-131-826A-316
; Sequence 316, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Yancanabe, Colin K.
; APPLICANT: Zeng, Zhenin
; SEQ ID NO 316
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Solanum tuberosum
; SEQ ID NO 316
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-316

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US-11-038-284-25  
 Query Match 24.7%; Score 37; DB 7; Length 210;  
 Best Local Similarity 33.3%; Pred. No. 22;  
 Matches 9; Conservative 0; Mismatches 0; Indels 18; Gaps 1;  
 Qy 13 WEGGG-----GVPE 21  
 Db 148 WFGGGHGRAHHDVHDHTSPGGIGVPE 174

---

RESULT 15  
 US-10-510-386-84  
 ; Sequence 84, Application US/10510386  
 ; Publication No. US20050244922A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Andersen, Jens Torne  
 ; APPLICANT: Clausen, Ib Groth  
 ; APPLICANT: Jorgensen, Steen Troels  
 ; APPLICANT: Olsen, Peter Bjaeke  
 ; APPLICANT: Rasmussen, Michael Dolberg  
 ; TITLE OF INVENTION: Improved Bacillus Host Cell  
 ; FILE REFERENCE: 10294.204-US  
 ; CURRENT APPLICATION NUMBER: US/10/510,386  
 ; CURRENT FILING DATE: 2004-10-04  
 ; NUMBER OF SEQ ID NOS: 248  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 84  
 ; LENGTH: 309  
 ; TYPE: PRT  
 ; ORGANISM: Bacillus licheniformis  
 US-10-510-386-84

Query Match 24.7%; Score 37; DB 1; Length 309;  
 Best Local Similarity 36.0%; Pred. No. 32;  
 Matches 9; Conservative 6; Mismatches 8; Indels 2; Gaps 1;  
 Qy 1 AKBASSDYILGWEFGGGVPEHKKE 25  
 Db 236 ADEAA--DLNEYQYAGSLTEDRNE 258

Search completed: November 22, 2005, 20:54:15  
 Job time : 2.78512 secs

11  
12  
13  
14  
15  
16  
17  
18  
19  
20

Result No.	Score	Query	Match	Length	DB ID	Description
1	150	Published Applications AA_Main.*	1	27	4	US-10-294-770-3
2	150	/cn2_6/.ptodata/1/pubpara/US07_PUBCOMB.pep:*	2	27	4	US-10-294-770-12
3	150	/cn2_6/.ptodata/1/pubpara/US08_PUBCOMB.pep:*	3	27	4	US-10-238-741-3
4	150	/cn2_6/.ptodata/1/pubpara/US09_PUBCOMB.pep:*	4	27	4	US-10-774-602-3
5	150	/cn2_6/.ptodata/1/pubpara/US10_PUBCOMB.pep:*	5	27	4	US-10-774-602-12
6	150	/cn2_6/.ptodata/1/pubpara/US11_PUBCOMB.pep:*	6	27	4	US-10-691-672A-5
7	150	100.0	64	5	US-10-294-770-1	Sequence 3, Appli
8	150	100.0	64	4	US-10-238-741-1	Sequence 1, Appli
9	150	100.0	64	4	US-10-774-602-1	Sequence 1, Appli
10	150	100.0	198	5	US-10-691-672A-7	Sequence 7, Appli
11	150	100.0	647	5	US-10-691-672A-3	Sequence 3, Appli
12	146	97.3	169	5	US-10-691-672A-2	Sequence 2, Appli
13	58	38.7	596	4	US-10-282-122A-51159	Sequence 51159, A
14	58	38.7	599	4	US-10-282-122A-49738	Sequence 49738, A
15	58	38.7	600	4	US-10-282-122A-48030	Sequence 48030, A
16	58	38.7	600	4	US-10-282-122A-50005	Sequence 50005, A
17	57	38.0	382	4	US-10-210-115-33	Sequence 33, Appli
18	57	38.0	382	4	US-10-369-493-691	Sequence 691, Appli
19	57	38.0	382	4	US-10-282-122A-43296	Sequence 43296, A
20	57	38.0	630	5	US-10-450-763-5420	Sequence 35420, A
21	56	37.3	126	4	US-10-425-115-233854	Sequence 233854, A
22	55	36.7	247	4	US-10-335-977-4888	Sequence 4888, Appli
23	55	36.7	479	3	US-03-881-752A-14	Sequence 14, Appli
24	55	36.7	479	4	US-10-335-977-4890	Sequence 4890, Appli
25	55	36.7	486	4	US-10-335-977-4891	Sequence 4891, Appli
26	54	36.0	432	4	US-10-437-963-125350	Sequence 125350, A
27	52.5	35.0	86	4	US-10-767-701-51357	Sequence 51357, A

SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 12  
 LENGTH: 27  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Synthetic Peptide  
 US-10-294-770-12

Query Match 100.0%; Score 150; DB 4; Length 27;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
 Matches 27; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGVWEFGGVPHEKKEEN 27  
 Db 1 AKEASSYDYLGVWEFGGVPHEKKEEN 27

RESULT 4  
 US-10-774-602-3  
 ; Sequence 3, Application US/10774602  
 ; Publication No. US20040141987A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 248791US0DIV  
 ; CURRENT APPLICATION NUMBER: US/10/774,602  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 10/238,741  
 ; PRIOR FILING DATE: 2004-02-10  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 2002-09-11  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 3  
 ; LENGTH: 27  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum  
 US-10-774-602-3

Query Match 100.0%; Score 150; DB 4; Length 27;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
 Matches 27; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGVWEFGGVPHEKKEEN 27  
 Db 1 AKEASSYDYLGVWEFGGVPHEKKEEN 27

RESULT 5  
 US-10-774-602-12  
 ; Sequence 12, Application US/10774602  
 ; Publication No. US20040141987A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 248791US0DIV  
 ; CURRENT APPLICATION NUMBER: US/10/774,602  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 10/238,741  
 ; PRIOR FILING DATE: 2002-09-11  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 12  
 ; LENGTH: 27  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic Peptide  
 US-10-774-602-12

Query Match 100.0%; Score 150; DB 4; Length 27;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-14;

US-10-238-741-3  
 ; Sequence 3, Application US/10238741  
 ; Publication No. US20040056466A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; BOUHAROUN-TAYOUN, HASNAQ  
 ; OUVRAY, CLAUDE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 ; PROTECTIVE ANTIBODIES  
 ; NUMBER OF SEQUENCES: 10  
 ; CORRESPONDENCE ADDRESS: OBLOON, SPIVAK, MCCLELLAND, MAYER & NEUSTADT,  
 ; ADDRESSEE: P.C.  
 ; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 ; CITY: ARLINGTON  
 ; STATE: VA  
 ; COUNTRY: USA  
 ; ZIP: 22202  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/238,741  
 ; FILING DATE: 09-Nov-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/356,497  
 ; FILING DATE: 19-Jul-1999  
 ; APPLICATION NUMBER: US/08/416,711  
 ; FILING DATE: 08-Aug-1995  
 ; APPLICATION NUMBER: PCT/FR93/01024  
 ; FILING DATE: 18-Oct-1993  
 ; APPLICATION NUMBER: FR 92/12488  
 ; FILING DATE: 19-Oct-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: OBLOON, NORMAN F.  
 ; REGISTRATION NUMBER: 24,618  
 ; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 703-413-3000  
 ; TELEFAX: 703-413-3220  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 27 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 ; Query Match 100.0%; Score 150; DB 4; Length 27;

Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0; US-10-238-741-1  
 Qy 1 AKEASSYDYLGWEFGGGVPEHKKEEN 27 ; Sequence 1, Application US/10238741  
 Db 1 AKEASSYDYLGWEFGGGVPEHKKEEN 27 ; Publication No. US0040096456A1  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, CLAUDE  
 OBEVRAY, CLAUDE  
 TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES

RESULT 6 US-10-691-672A-5  
 Sequence 5, Application US/10591672A  
 Publication No. US20050112133A1  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND MALARIAL VACCINES CONTAINING IT  
 FILE REFERENCE: 02356.0085  
 CURRENT APPLICATION NUMBER: US/10/691,672A  
 CURRENT FILING DATE: 2003-10-24  
 SOFTWARE: PatentIn Ver. 3.3  
 SEQ ID NO 5  
 LENGTH: 27  
 TYPE: PCT  
 ORGANISM: Plasmodium falciparum  
 FEATURE:  
 NAME/KEY SITE  
 LOCATION: (1): (27)  
 OTHER INFORMATION: MSP3b  
 US-10-691-672A-5

Query Match 100.0%; Score 150; DB 5; Length 27;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-14;  
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGWEFGGGVPEHKKEEN 27  
 Db 1 AKEASSYDYLGWEFGGGVPEHKKEEN 27

RESULT 7 US-10-294-770-1  
 Sequence 1, Application US/10294770  
 Publication No. US20030161840A1  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 FILE REFERENCE: 230759USCIP  
 CURRENT APPLICATION NUMBER: US/10/294,770  
 PRIOR APPLICATION NUMBER: US 09/356,947  
 PRIOR FILING DATE: 1999-07-19  
 PRIOR APPLICATION NUMBER: US 08/416,711  
 PRIOR FILING DATE: 1995-08-08  
 PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 NUMBER OF SEQ ID NO: 14  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 1  
 LENGTH: 64  
 TYPE: PCT  
 ORGANISM: Plasmodium falciparum  
 US-10-294-770-1

Query Match 100.0%; Score 150; DB 4; Length 64;  
 Best Local Similarity 100.0%; Pred. No. 4.8e-14;  
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASASDYLWEEFGGGVPEHKKEEN 27  
 Db 18 AKEASASDYLWEEFGGGVPEHKKEEN 44

RESULT 8 US-10-774-602-1  
 Sequence 1, Application US/10774602  
 Publication No. US200401419B1A1  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 FILE REFERENCE: 248791USDIV  
 CURRENT APPLICATION NUMBER: US/10/774,602  
 CURRENT FILING DATE: 2004-02-10  
 PRIOR APPLICATION NUMBER: US 09/356,947

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; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-12

Query Match 100.0%; Score 150; DB 4; Length 64;
Best Local Similarity 100.0%; Pred. No. 4.8e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
RESULT 12
US-10-691-672A-2
; Sequence 2, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
FEATURE: SITE
NAME/KEY: MSP3a to MSP3f
OTHER INFORMATION: MSP3a to MSP3f
US-10-691-672A-7

Query Match 100.0%; Score 150; DB 5; Length 188;
Best Local Similarity 100.0%; Pred. No. 1.5e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
RESULT 13
US-10-282-122A-51159
; Sequence 51159, Application US/10282122A
; Publication No. US0040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Hasebeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIORITY APPLICATION NUMBER: 60/191,078
; PRIORITY FILING DATE: 2000-03-21

RESULT 11
US-10-691-672A-3
; Sequence 3, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
SEQ ID NO 3
; LENGTH: 647
; TYPE: PRT
; ORGANISM: Artificial Sequence

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; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,331
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51159
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Bordetella pertussis
US-10-282-122A-51159

Query Match          38.7%;  Score 58;  DB 4;  Length 596;
Best Local Similarity 54.2%; Pred. No. 12;
Matches 13; Conservative 4; Mismatches 5; Indels 2;
Gaps 2;

Qy      4 ASSYDYL-GWEFGGG-VPEHKKE 25
Db      480 ARAYDMVINGWEFGGGSTRIHREE 501

RESULT 14
US-10-282-122A-49798
; Sequence 49798, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
;   APPLICANT: Wang, Liangsu
;   APPLICANT: Zamudio, Carlos
;   APPLICANT: Malone, Cheryl
;   APPLICANT: Haselbeck, Robert
;   APPLICANT: Ohlsen, Kari
;   APPLICANT: Zyskind, Judith
;   APPLICANT: Wall, Daniel
;   APPLICANT: Trawick, John
;   APPLICANT: Carr, Grant
;   APPLICANT: Yamamoto, Robert
;   APPLICANT: Forsyth, R.
;   APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-16
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48020
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-282-122A-48020

Query Match          38.7%;  Score 58;  DB 4;  Length 600;

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Best Local Similarity 54.2%; Pred. No. 12;  
Matches 13; Conservative 4; Mismatches 5;  
Indels 2; Gaps 2;

Qy 4 ASSDYIL-GWEIGGG-VPEHKKEF 25  
| : | : | : | : | : | : | : | : |  
Db 480 AKAYDMVTLNGWEIGGGSVRIHREE 503

Search completed: November 22, 2005, 20:54:00  
Job time : 79.0992 secs

ALIGNMENTS					
Title:	US-10-774-602-12	Result 1 US-08-416-711-3	Sequence 3, Application US/08416711	Sequence 2, Appli	Sequence 18, Appli
Perfect score:	1 AKEASSYDYLWGEGGVPBEHKKEN 27	; Patent No. 6017538	Sequence 215, App	Sequence 216, App	Sequence 217, App
Sequence:	BLOSUM62	GENERAL INFORMATION:	Sequence 10920, A	Sequence 45524, A	Sequence 21198, A
Scoring table:	Gapext 10.0 , Gapext 0.5	APPLICANT: DROUTHE, PIERRE	Sequence 126, App	Sequence 2, Appli	Sequence 2, Appli
Searched:	572060 seqs, 82675679 residues	APPLICANT: BOUHAROUN-TAYOUN, HASNAQ	Sequence 60333, A	Sequence 67, Appli	Sequence 67, Appli
Total number of hits satisfying chosen parameters:	572060	APPLICANT: OEVRAY, CLAUDE	Sequence 126, App	Sequence 67, Appli	Sequence 67, Appli
Minimum DB seq length: 0		TITLE OF INVENTION: PLASMIDIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES	Sequence 126, App	Sequence 67, Appli	Sequence 67, Appli
Maximum DB seq length: 2000000000		NUMBER OF SEQUENCES: 10	Sequence 67, Appli	Sequence 67, Appli	Sequence 67, Appli
Post-processing: Minimum Match 0%	Listing first 45 summaries	CORRESPONDENCE ADDRESS:	Sequence 67, Appli	Sequence 67, Appli	Sequence 67, Appli
Database :	Issued Patents AA:*	ADRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,	STREET: 1755 S. JEFFERSON DAVIS HIGHWAY	CITY: ARLINGTON	STATE: VA
	1: /cgcn_6/ptodata/1/iaa/5_COMB.pep:*	ADDRESS: P.C.	ZIP: 22202	ZIP: 22202	ZIP: 22202
	2: /cgcn_6/ptodata/1/iaa/6_COMB.pep:*	COMPUTER READABLE FORM:	MEDIUM TYPE: Floppy disk	COMPUTER: IBM PC compatible	OPERATING SYSTEM: PC-DOS/MS-DOS
	3: /cgcn_6/ptodata/1/iaa/H_COMB.pep:*	SOFTWARE: Patent In Release #1.0, Version #1.30	CURRENT APPLICATION DATA:	PATENT NUMBER: US/08/416,711	FILING DATE: 08-AUG-1995
	4: /cgcn_6/ptodata/1/iaa/PECTUS_COMB.pep:*	PRIORITY NUMBER: US/08/416,711	APPLICATION NUMBER: FR 92/124488	CLASSIFICATION: 424	PRIOR APPLICATION DATA:
	5: /cgcn_6/ptodata/1/iaa/RE_COMB.pep:*	ATTORNEY/AGENT INFORMATION:	APPLICATION NUMBER: PCT/FR93/01024	NAME: OBLON, NORMAN F.	FILING DATE: 18-OCT-1993
	6: /cgcn_6/ptodata/1/iaa/hackfile1.pep:*	REGISTRATION NUMBER: 24,618	PRIORITY NUMBER: FR 92/124488	REFERENCE/DOCKET NUMBER: 660-085-0 PCT	TELECOMMUNICATION INFORMATION:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.		SEQUENCE CHARACTERISTICS:	TELEPHONE: 703-413-3000	TYPE: amino acid	STRANDEDNESS: single
		LENGTH: 27 amino acids	TELEFAX: 703-413-2220	TOPOLOGY: linear	MOLECULE TYPE: peptide
			INFORMATION FOR SEQ ID NO: 3:		
			SEQUENCE: 9, Appli		
Result No.	Score	Query Match Length DB ID	Description		
1	150	100.0	27 2 US-08-416-711-3	Sequence 3, Appli	
2	150	100.0	27 2 US-09-356-497-3	Sequence 3, Appli	
3	150	100.0	27 2 US-10-238-741-3	Sequence 1, Appli	
4	150	100.0	64 2 US-08-416-711-1	Sequence 1, Appli	
5	150	100.0	64 2 US-09-356-497-1	Sequence 1, Appli	
6	150	100.0	64 2 US-10-238-741-1	Sequence 1, Appli	
7	50.5	33.7	597 2 US-09-252-991A-32073	Sequence 32073, A	
8	49	32.7	490 2 US-09-292-225-41	Sequence 41, Appli	
9	49	32.7	509 2 US-03-92-225-35	Sequence 35, Appli	
10	49	32.7	509 2 US-09-292-225-38	Sequence 38, Appli	
11	48	32.0	306 2 US-09-386-642-53	Sequence 53, Appli	
12	48	32.0	319 2 US-09-386-642-12	Sequence 12, Appli	
13	48	32.0	560 2 US-09-252-991A-322343	Sequence 22343, A	
14	48	32.0	671 2 US-09-252-991A-19016	Sequence 19016, A	
15	47.5	31.7	588 2 US-09-79-3328	Sequence 3328, AD	
16	47.5	31.7	593 2 US-09-134-001C-3592	Sequence 3592, AD	
17	47	31.3	168 2 US-09-472-112-1	Sequence 6335, AP	
18	47	31.3	416 2 US-09-100-664A-9	Sequence 9, Appli	
19	47	31.3	416 2 US-09-335-983-9	Sequence 9, Appli	
20	47	31.3	416 2 US-09-553-867A-9	Sequence 9, Appli	
21	47	31.3	416 2 US-09-553-867A-16	Sequence 16, Appli	
22	47	31.3	416 2 US-09-553-867A-18	Sequence 18, Appli	
23	47	31.3	416 2 US-09-472-112-1	Sequence 1, Appli	
24	47	31.3	416 2 US-09-252-991A-18079	Sequence 16, Appli	
25	47	31.3	416 2 US-09-538-092-1157	Sequence 1157, AP	
26	47	31.3	416 2 US-09-559-867-9	Sequence 9, Appli	
27	47	31.3	416 2 US-09-559-867-16	Sequence 16, Appli	

Query Match 100.0%; Score 150; DB 2; Length 27;  
 Best Local Similarity 100.0%; Pred. No. 4.7e-16;  
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGMERGGVPEHKKEEN 27

Db 1 AKEASSYDYLGMERGGVPEHKKEEN 27

RESULT 2

US-09-356-497-3

Sequence 3, Application US/09356497

; Patent No. 6472519

; GENERAL INFORMATION:

; APPLICANT: DRUILHE, PIERRE

; BOUHAROUN-TAYOUN, HASNAQ

; OUVRAY, CLAUDE

; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING

; PROTECTIVE ANTIBODIES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &amp; NEUSTADT,

; P.C.

; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY

; CITY: ARLINGTON

; STATE: VA

; COUNTRY: USA

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/356,497

; FILING DATE: 19-Jul-1999

; CLASSIFICATION: &lt;Unknown&gt;

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US/08/416,711

; FILING DATE: 08-AUG-1995

; APPLICATION NUMBER: PCT/FR93/01024

; FILING DATE: 18-OCT-1993

; APPLICATION NUMBER: FR 92/12488

; FILING DATE: 19-OCT-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: OBLON, NORMAN F.

; REFERENCE/DOCKET NUMBER: 660-085-0 PCT

; TELECOMMUNICATION INFORMATION:

; APPLICATION NUMBER: US/08/413-3000

; TELEFAX: 703-413-2220

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 27 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; SEQUENCE DESCRIPTION: SEQ ID NO: 3:

; US-10-238-741-3

; RESULT 4

US-08-416-711-1

; Sequence 1, Application US/08416711

; GENERAL INFORMATION:

; Patent No. 6017538

; APPLICANT: DRUILHE, PIERRE

; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ

; APPLICANT: OUVRAY, CLAUDE

; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING

; PROTECTIVE ANTIBODIES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &amp; NEUSTADT,

;

Query Match 100.0%; Score 150; DB 2; Length 27;

Best Local Similarity 100.0%; Pred. No. 4.7e-16;

Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGMERGGVPEHKKEEN 27

Db 1 AKEASSYDYLGMERGGVPEHKKEEN 27

RESULT 3

US-10-238-741-3

; Sequence 3, Application US/10238741

;

ADDRESSEE: P.C. JEFFERSON DAVIS HIGHWAY  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTY: USA  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-AUG-1995  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 PRIORITY APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 18-OCT-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: FR 92/12488  
 FILING DATE: 19-OCT-1992  
 CLASSIFICATION: peptide  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-413-3000  
 TELEX/FAX: 703-413-2220  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 64 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 SEQ ID NO: 1:  
 US-09-356-497-1

RESULT 5  
 US-09-356-497-1

Query Match 100.0%; Score 150; DB 2; Length 64;  
 Best Local Similarity 100.0%; Prd. No. 1.2e-15; Indels 0; Gaps 0;

Matches 27; Conservative 0; Mismatches 0;

APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ

TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 PROTECTIVE ANTIBODIES

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 P.C.

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY

CITY: ARLINGTON  
 STATE: VA

COUNTRY: USA

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/238,741

FILING DATE: 09-No. 6949/27-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/356,497

FILING DATE: 19-Jul-1999

APPLICATION NUMBER: US/08/416,711

FILING DATE: 08-AUG-1995

APPLICATION NUMBER: PCT/FR93/01024

FILING DATE: 18-OCT-1993

APPLICATION NUMBER: FR 92/12488

FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/416,711

FILING DATE: 08-AUG-1995

APPLICATION NUMBER: PCT/FR93/01024

FILING DATE: 18-OCT-1993

APPLICATION NUMBER: FR 92/12488

FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 660-085-0 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-413-3000

TELEX/FAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 64 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQ ID NO: 1:

US-09-356-497-1

RESULT 6  
 US-10-238-741-1

Query Match 100.0%; Score 150; DB 2; Length 64;  
 Best Local Similarity 100.0%; Prd. No. 1.2e-15; Indels 0; Gaps 0;

Matches 27; Conservative 0; Mismatches 0;

APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ

TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 PROTECTIVE ANTIBODIES

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 P.C.

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY

CITY: ARLINGTON  
 STATE: VA

COUNTRY: USA

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/238,741

FILING DATE: 09-No. 6949/27-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/356,497

FILING DATE: 19-Jul-1999

APPLICATION NUMBER: US/08/416,711

FILING DATE: 08-AUG-1995

APPLICATION NUMBER: PCT/FR93/01024

FILING DATE: 18-OCT-1993

APPLICATION NUMBER: FR 92/12488

FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618  
 TELECOMMUNICATION INFORMATION: 660-085-0 PCT  
 TELEPHONE: 703-413-3000  
 TELEFAX: 703-413-2220  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 64 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1 ;  
 US-10-238-741-1

Query Match 100.0%; Score 150; DB 2; Length 64;  
 Best Local Similarity 100.0%; Pred. No. 1.2e-0;  
 Matches 27; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;

Qy 1 AKASSYDYLGW-EFGGGVPEHKKEEN 27  
 Db 18 AKASSYDYLGW-EFGGGVPEHKKEEN 44

---

RESULT 7  
 Sequence 32073, Application US/09252991A  
 Patent No. 6551795

GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenstein et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252.991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR APPLICATION NUMBER: US 60/094,190  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 32073  
 LENGTH: 597  
 TYPE: PRT  
 ORGANISM: *Pseudomonas aeruginosa*

US-09-252-991A-32073

Query Match 33.7%; Score 50.5; DB 2; Length 597;  
 Best Local Similarity 44.0%; Pred. No. 23; Mismatches 5; Conservative 8; Indels 1; Gaps 1;

Qy 2 KPASSYDYLGW-EFGGGVPEHKKE 25  
 Db 563 KPNAYKHSIGNGBDWGVPPDKLKE 587

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RESULT 8  
 Sequence 41, Application US/09292225  
 Patent No. 6455686

GENERAL INFORMATION:  
 APPLICANT: McCall, Catherine A.  
 APPLICANT: Hunter, Shirley Wu  
 APPLICANT: Weber, Eric R.

TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS  
 FILE REFERENCE: AL-2-C3  
 CURRENT APPLICATION NUMBER: US/09/292,225  
 CURRENT FILING DATE: 1999-04-15  
 EARLIER APPLICATION NUMBER: 60/098,909  
 EARLIER FILING DATE: 1998-09-02  
 EARLIER APPLICATION NUMBER: 60/055,295  
 EARLIER FILING DATE: 1998-05-13  
 EARLIER APPLICATION NUMBER: 60/098,565  
 EARLIER FILING DATE: 1998-04-17  
 EARLIER APPLICATION NUMBER: 09/062,013  
 NUMBER OF SEQ ID NOS: 49  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 35  
 LENGTH: 509

US-09-292-225-41

Query Match 32.7%; Score 49; DB 2; Length 509;  
 Best Local Similarity 43.5%; Pred. No. 33; Mismatches 7; Conservative 4; Indels 2; Gaps 1;

Qy 6 SYDYILGWE--FGGGVPEHKKE 26  
 Db 206 TYDHGGEWNYFGHNAPLYKRPD 228

---

RESULT 9  
 Sequence 35, Application US/09292225  
 Patent No. 6455686

GENERAL INFORMATION:  
 APPLICANT: McCall, Catherine A.  
 APPLICANT: Hunter, Shirley Wu  
 APPLICANT: Weber, Eric R.

TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS  
 FILE REFERENCE: AL-2-C3  
 CURRENT APPLICATION NUMBER: US/09/292,225  
 CURRENT FILING DATE: 1999-04-15  
 EARLIER APPLICATION NUMBER: 60/098,909  
 EARLIER FILING DATE: 1998-09-02  
 EARLIER APPLICATION NUMBER: 60/055,295  
 EARLIER FILING DATE: 1998-05-13  
 EARLIER APPLICATION NUMBER: 60/098,565  
 EARLIER FILING DATE: 1998-04-17  
 EARLIER APPLICATION NUMBER: 09/062,013  
 NUMBER OF SEQ ID NOS: 49  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 35  
 LENGTH: 509

US-09-292-225-35

Query Match 32.7%; Score 49; DB 2; Length 509;  
 Best Local Similarity 43.5%; Pred. No. 33; Mismatches 7; Conservative 4; Indels 2; Gaps 1;

Qy 6 SYDYILGWE--FGGGVPEHKKE 26  
 Db 225 TYDHGGEWNYFGHNAPLYKRPD 247

---

RESULT 10  
 Sequence 38, Application US/09292225  
 Patent No. 6455686

GENERAL INFORMATION:  
 APPLICANT: McCall, Catherine A.  
 APPLICANT: Hunter, Shirley Wu  
 APPLICANT: Weber, Eric R.

TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS  
 FILE REFERENCE: AL-2-C3  
 CURRENT APPLICATION NUMBER: US/09/292,225  
 CURRENT FILING DATE: 1999-04-15  
 EARLIER APPLICATION NUMBER: 60/098,909  
 EARLIER FILING DATE: 1998-09-02  
 EARLIER APPLICATION NUMBER: 60/055,295  
 EARLIER FILING DATE: 1998-05-13  
 EARLIER APPLICATION NUMBER: 60/098,565  
 EARLIER FILING DATE: 1998-04-17  
 EARLIER APPLICATION NUMBER: 09/062,013  
 NUMBER OF SEQ ID NOS: 49  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 35  
 LENGTH: 509

US-09-292-225-38

Query Match 32.7%; Score 49; DB 2; Length 509;  
 Best Local Similarity 43.5%; Pred. No. 33; Mismatches 7; Conservative 4; Indels 2; Gaps 1;

Qy 6 SYDYILGWE--FGGGVPEHKKE 26  
 Db 225 TYDHGGEWNYFGHNAPLYKRPD 247

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; EARLIER APPLICATION NUMBER: 60/085,295
; EARLIER FILING DATE: 1998-05-13
; EARLIER APPLICATION NUMBER: 60/098,565
; EARLIER FILING DATE: 1998-04-17
; EARLIER APPLICATION NUMBER: 09/062,013
; EARLIER FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 38
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Dermatophagooides farinae
US-09-292-225-38

Query Match 32.7%; Score 49; DB 2; Length 509;
Best Local Similarity 43.5%; Pred. No. 33;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;
Qy 6 SYDVLGWB--FGGGVPBHKKEE 26
Db 225 TYDYGGMWBNVFGHNAFLYKRPD 247

RESULT 13
US-09-291A-12343
Sequence 22343; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSUEDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 22343
; LENGTH: 560
; TYPE: PRT
; ORGANISM: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
US-09-252-991A-22343

Query Match 32.0%; Score 48; DB 2; Length 560;
Best Local Similarity 56.2%; Pred. No. 52;
Matches 9; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
Qy 4 ASSYDYLIGWBRGGGI 19
Db 379 AVSNTYTLNWDFGSIV 394

RESULT 14
US-09-252-991A-19016
Sequence 19016; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 19016
; LENGTH: 771
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19016

Query Match 32.0%; Score 48; DB 2; Length 671;
Best Local Similarity 70.0%; Pred. No. 64;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 10 ILGWEFGGGVPBHKKEE 27
Db 12 LIGTTFGGCVPDXKDDDD 29

RESULT 12
US-09-386-642-12
Sequence 12; Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jenson
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: OPT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; NUMBER OF SEQ ID NOS: 60
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of
; OTHER INFORMATION: human protease F in CPEK2 zymogen vector
US-09-386-642-53

Query Match 32.0%; Score 48; DB 2; Length 306;
Best Local Similarity 44.4%; Pred. No. 27;
Matches 8; Conservative 6; Mismatches 4; Indels 0; Gaps 0;
Qy 10 ILGWEFGGGVPBHKKEE 27
Db 12 LIGTTFGGCVPDXKDDDD 29

RESULT 11
US-09-386-642-53
Sequence 53; Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jenson
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: OPT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; NUMBER OF SEQ ID NOS: 60
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of
; OTHER INFORMATION: human protease F in CPEK2 zymogen vector
US-09-386-642-53

Query Match 32.0%; Score 48; DB 2; Length 306;
Best Local Similarity 43.5%; Pred. No. 33;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;
Qy 6 SYDVLGWB--FGGGVPBHKKEE 26
Db 225 TYDYGGMWBNVFGHNAFLYKRPD 247

RESULT 13
US-09-291A-12343
Sequence 22343; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSUEDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 22343
; LENGTH: 560
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22343

Query Match 32.0%; Score 48; DB 2; Length 560;
Best Local Similarity 56.2%; Pred. No. 52;
Matches 9; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
Qy 4 ASSYDYLIGWBRGGGI 19
Db 379 AVSNTYTLNWDFGSIV 394

RESULT 14
US-09-252-991A-19016
Sequence 19016; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 19016
; LENGTH: 771
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19016

Query Match 32.0%; Score 48; DB 2; Length 671;
Best Local Similarity 70.0%; Pred. No. 64;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 10 ILGWEFGGGV 19
Db 12 LIGTTFGGCVPDXKDDDD 29

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Db      212 LLGWSFGGGL 221

RESULT 15
US-09-710-279-3328
; Sequence 3328, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS SPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 3328
; LENGTH: 588
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-3328

Query Match      31 7%; Score 47.5; DB 2; Length 588;
Best Local Similarity 52.9%; Pred. No. 66; Mismatches 5; Indels 1; Gaps 1
Matches 9; Conservative 5;

Qy      3 EASSTDYKL-GWEFGGG 18
Db      473 CANAYDTVILNCGVYR 489

```

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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:59 ; Search time 1.65289 Seconds  
(without alignments)  
17.088 Million cell updates/sec

Title: US-10-774-602-11  
Perfect score: 124  
Sequence: 1 YEKARNAYQANQAVLAKAASSYD 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 8323 seqs, 1129788 residues

Total number of hits satisfying chosen parameters: 8323

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA\_New:  
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 2: /cggn2\_6/ptodata/1/pubbeta/us06\_new\_pub.pep:  
 3: /cggn2\_6/ptodata/1/pubbeta/us07\_new\_pub.pep:  
 4: /cggn2\_6/ptodata/1/pubbeta/us08\_new\_pub.pep:  
 5: /cggn2\_6/ptodata/1/pubbeta/us09\_new\_pub.pep:  
 6: /cggn2\_6/ptodata/1/pubbeta/pct\_new\_pub.pep:  
 7: /cggn2\_6/ptodata/1/pubbeta/us1\_new\_pub.pep:  
 8: /cggn2\_6/ptodata/1/pubbeta/us60\_new\_pub.pep:  
 \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**RESULTS**

RESULT 1  
US-11-074-176-36  
; Sequence 36, Application US/11074176  
; Publication No. US20050250135A1  
; GENERAL INFORMATION:  
; APPLICANT: Klaenhammer, Todd R.  
; Russell, William M.  
; ALTERMANN, Eric C.  
; APPLICANT: McAuliffe, Olivia  
; APPLICANT: Peril, Andrea Azcarate  
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding Stress-Related Proteins and Uses Therefor  
; FILE REFERENCE: 5051-694  
; CURRENT APPLICATION NUMBER: US/11/074,176  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: 60/551,161  
; PRIOR FILING DATE: 2004-03-08  
; NUMBER OF SEQ ID NOS: 381  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 36  
; LENGTH: 322  
; TYPE: PRT  
; ORGANISM: Lactobacillus acidophilus

RESULT 2  
US-11-074-176-36  
; Sequence 36, Application US/11016706  
; Publication No. US20050244334A1  
; GENERAL INFORMATION:  
; APPLICANT: CASTILLO, GERARDO  
; LAKE, THOMAS P.  
; NGUYEN, BETH P.  
; SANDERS, VIRGINIA J.  
; APPLICANT: SNOW, ALAN D.  
; TITLE OF INVENTION: SMALL PEPTIDES FOR THE TREATMENT OF ALZHEIMER'S DISEASE AND OTHER BETA-AMYLOID PROTEIN FIBRILLOGENESIS DISORDERS  
; FILE REFERENCE: PROTEO.P03C13  
; CURRENT APPLICATION NUMBER: US/11/016,706

**ALIGNMENTS**

Result No.	Score	Query	Match	Length	DB	ID	Description
1	44	35.5	322	7	US-11-074-176-36		Sequence 36, Appl
2	41.5	33.5	964	7	US-11-016-706-39		Sequence 39, Appl
3	37	29.8	828	1	US-10-501-039-2		Sequence 2, Appl
4	36	29.0	428	7	US-11-074-176-64		Sequence 36A, Appl
5	36	29.0	456	7	US-11-021-441-18		Sequence 18, Appl
6	36	29.0	479	7	US-11-021-441-20		Sequence 20, Appl
7	36	29.0	490	7	US-11-021-441-16		Sequence 22, Appl
8	36	29.0	497	7	US-11-021-441-22		Sequence 24, Appl
9	36	29.0	497	7	US-11-021-441-24		Sequence 4, Appl
10	36	29.0	1035	7	US-11-021-441-4		Sequence 320, Appl
11	35	28.2	554	7	US-11-074-176-320		Sequence 68, Appl
12	35	28.2	570	7	US-11-074-176-68		Sequence 12, Appl
13	35	28.2	677	1	US-10-982-545-12		Sequence 2, Appl
14	35	28.2	802	1	US-10-510-386-2		Sequence 218, Appl
15	35	28.2	1432	1	US-10-510-386-218		Sequence 2, Appl
16	34	27.4	296	7	US-11-102-978-7		Sequence 7, Appl
17	34	27.4	391	1	US-10-979-821-12		Sequence 12, Appl
18	34	27.4	599	1	US-10-957-569-12		Sequence 12, Appl
19	34	27.4	674	10	US-10-501-039-10		Sequence 10, Appl
20	34	27.4	1386	7	US-11-091-643-6		Sequence 6, Appl
21	34	27.4	2897	1	US-10-499-715-2		Sequence 2, Appl
22	33	26.6	591	1	US-10-510-386-12		Sequence 22, Appl
23	33	26.6	126	1	US-10-510-386-86		Sequence 86, Appl
24	33	26.6	242	7	US-11-022-562-220		Sequence 220, Appl
25	33	26.6	262	7	US-11-074-176-8		Sequence 8, Appl

CURRENT FILING DATE: 2004-12-16  
 PRIORITY APPLICATION NUMBER: 09/962,955  
 PRIORITY FILING DATE: 2001-09-24  
 PRIORITY APPLICATION NUMBER: 09/938,275  
 PRIORITY FILING DATE: 2001-08-22  
 PRIORITY APPLICATION NUMBER: 08/947,057  
 PRIORITY FILING DATE: 1997-10-08  
 NUMBER OF SEQ ID NOS: 89  
 SEQ ID NO 39  
 SOFTWARE: PatentIn Ver. 3.2  
 TYPE: PRT  
 ORGANISM: *Mus musculus*  
 US-11-016-706-39

Query Match 33.5%; Score 41.5; DB 7; Length 964;  
 Best Local Similarity 38.5%; Pred. No. 12;  
 Matches 10; Conservative 8; Mismatches 7; Indels 1; Gaps 1;

Qy 6 1 YEKAKNAYQ-KANQAVLKAKEASSYD 25  
 Db 556 HKKGKNSSKPKTINKQGEKSKDAPSWD 581

RESULT 3  
 US-10-501-039-2  
 Sequence 2, Application US/10501039  
 Publication No. US20050244822A1  
 GENERAL INFORMATION:  
 APPLICANT: Tetsuro Kokubo, Masahiro Shirakawa, and Jeremy Robin Howard Tame  
 TITLE OF INVENTION: Method of monitoring gene expression  
 FILE REFERENCE: 4439-4033  
 CURRENT APPLICATION NUMBER: US/10/501,039  
 CURRENT FILING DATE: 2004-07-08  
 PRIORITY APPLICATION NUMBER: JP P2002-002396  
 PRIORITY FILING DATE: 2002-01-09  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 2  
 LENGTH: 828  
 TYPE: PRT  
 ORGANISM: *Saccharomyces cerevisiae*  
 US-10-501-039-2

Query Match 29.8%; Score 37; DB 1; Length 828;  
 Best Local Similarity 43.8%; Pred. No. 48;  
 Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

Qy 5 KNAYQKANQAVLKAKE 20  
 Db 556 KQAYEEERCKLKLQKE 571

RESULT 4  
 US-11-074-176-364  
 Sequence 36.4, Application US/11074176  
 Publication No. US20050250135A1  
 GENERAL INFORMATION:  
 APPLICANT: Klaenhammer, Todd R.  
 APPLICANT: Russell, William M.  
 APPLICANT: Altermann, Eric  
 APPLICANT: McAuliffe, Olivia  
 APPLICANT: Peril, Andrea Azcarate  
 TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
 TITLE OF INVENTION: Stress-Related Proteins and Uses Therefor  
 FILE REFERENCE: 5051-694  
 CURRENT APPLICATION NUMBER: US/11/074,176  
 CURRENT FILING DATE: 2005-03-07  
 PRIORITY APPLICATION NUMBER: 60/551,161  
 PRIORITY FILING DATE: 2004-03-08  
 NUMBER OF SEQ ID NOS: 381  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 364

LENGTH: 428;  
 TYPE: PRT  
 ORGANISM: *Lactobacillus acidophilus*  
 US-11-074-176-364

Query Match 29.0%; Score 36; DB 7; Length 428;  
 Best Local Similarity 25.0%; Pred. No. 29;  
 Matches 6; Conservative 7; Mismatches 11; Indels 0; Gaps 0;

Qy 2 EKAKNAYQKANQAVLKAKEASSYD 25  
 Db 25 ETARNFNPNRNYEIRTPSPENYE 48

RESULT 5  
 US-11-021-441-18  
 Sequence 18, Application US/11021441  
 Publication No. US20050249748A1  
 GENERAL INFORMATION:  
 APPLICANT: DUBENSKY, Thomas W., Jr.  
 APPLICANT: PORTNOY, Daniel A.  
 APPLICANT: LUCKETT, William S., Jr.  
 APPLICANT: COOK, David N.  
 TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,  
 TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE  
 FILE REFERENCE: 282172003900  
 CURRENT APPLICATION NUMBER: US/11/021,441  
 CURRENT FILING DATE: 2004-12-23  
 PRIOR APPLICATION NUMBER: US 60/616,750  
 PRIOR FILING DATE: 2004-10-06  
 PRIOR APPLICATION NUMBER: US 60/615,287  
 PRIOR FILING DATE: 2004-10-01  
 PRIOR APPLICATION NUMBER: US 60/599,377  
 PRIOR FILING DATE: 2004-08-05  
 PRIOR APPLICATION NUMBER: PCT/US2004/23881  
 PRIOR FILING DATE: 2004-07-23  
 PRIOR APPLICATION NUMBER: US 60/129  
 PRIOR FILING DATE: 2004-06-30  
 PRIOR APPLICATION NUMBER: US 60/556,744  
 NUMBER OF SEQ ID NOS: 129  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 18  
 LENGTH: 456  
 TYPE: PRT  
 ORGANISM: *Homo sapiens*  
 US-11-021-441-18

Query Match 29.0%; Score 36; DB 7; Length 456;  
 Best Local Similarity 58.0%; Pred. No. 32;  
 Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 NAYQKANQAVLK 17  
 Db 72 HTYEDDPNQAVLK 83

RESULT 6  
 US-11-021-441-20  
 Sequence 20, Application US/11021441  
 Publication No. US20050249748A1  
 GENERAL INFORMATION:  
 APPLICANT: DUBENSKY, Thomas W., Jr.  
 APPLICANT: PORTNOY, Daniel A.  
 APPLICANT: LUCKETT, William S., Jr.  
 APPLICANT: COOK, David N.  
 TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,  
 TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE  
 FILE REFERENCE: 282172003900  
 CURRENT APPLICATION NUMBER: US/11/021,441  
 CURRENT FILING DATE: 2004-12-23

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; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/233881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 479
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
US-11-021-441-20

Qy      6 NAYQKANQAVLK 17
Db      95 HTYEDPNQAVLK 106

RESULT 7
US-11-021-441-26
; Sequence 26, Application US/11021441
; Publication No. US20050243748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES, AND METHODS OF USE
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSEQ for Windows Version 4.0
; LENGTH: 490
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Fusion protein
US-11-021-441-26

Qy      6 NAYQKANQAVLK 17
Db      96 HTYEDPNQAVLK 107

RESULT 8
US-11-021-441-22
; Sequence 22, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES, AND METHODS OF USE
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; PRIOR APPLICATION NUMBER: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSEQ for Windows Version 4.0
; LENGTH: 490
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Fusion protein
US-11-021-441-22

Qy      6 NAYQKANQAVLK 17
Db      96 HTYEDPNQAVLK 107

```

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; GENERAL INFORMATION:
;   APPLICANT: Klaenhammer, Todd R.
;   APPLICANT: Russell, William M.
;   APPLICANT: Altermann, Eric C.
;   APPLICANT: McAuliffe, Olivia.
;   APPLICANT: Peril, Andrea Arcarate
;   TITLE OF INVENTION: Nucleic Acid Sequences Encoding
;   LENGTH: Stress-Related Proteins and Uses Therefore
;   FILE REFERENCE: 5051-694
;   CURRENT APPLICATION NUMBER: US/11/074,176
;   CURRENT FILING DATE: 2005-03-07
;   PRIOR APPLICATION NUMBER: 60/551,161
;   PRIOR FILING DATE: 2004-03-08
;   NUMBER OF SEQ ID NOS: 381
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO: 24
;   OTHER INFORMATION: Fusion protein
;   SEQ ID NO: 24
;   LENGTH: 497
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE: 
;   OTHER INFORMATION: Fusion protein
US-11-021-441-24

Query Match      6 NAYOKANQAVLK 17
Best Local Similarity  58.3%; Pred. No: 36; Score: 36; DB: 7; Length: 497;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Db      103 HTYEDPNQAVLK 114

RESULT 10
US-11-021-441-4
Sequence 4, Application US/11021441
Publication No. US20050249748A1

GENERAL INFORMATION:
;   APPLICANT: DUBENSKY, Thomas W., Jr.
;   APPLICANT: PORTNOY, Daniel A.
;   APPLICANT: LUCKETT, William S., Jr.
;   APPLICANT: COOK, David N.
;   APPLICANT: WILLIAMS, William S., Jr.

TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
;   EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
FILE REFERENCE: 282172003900
TITLE OF INVENTION: THEREOF
CURRENT APPLICATION NUMBER: US/11/021,441
CURRENT FILING DATE: 2004-12-23
PRIOR APPLICATION NUMBER: US 60/616,750
PRIOR FILING DATE: 2004-10-06
PRIOR APPLICATION NUMBER: US 60/615,287
PRIOR APPLICATION NUMBER: US 60/599,377
PRIOR FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: US 60/599,377
PRIOR FILING DATE: 2004-08-05
PRIOR APPLICATION NUMBER: PCT/US2004/23881
PRIOR FILING DATE: 2004-07-23
PRIOR APPLICATION NUMBER: US 10/883,599
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: US 60/556,744
PRIOR FILING DATE: 2004-03-26
NUMBER OF SEQ ID NOS: 129
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 4
LENGTH: 1035
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: 
OTHER INFORMATION: Fusion protein
US-11-021-441-4

Query Match      6 NAYOKANQAVLK 17
Best Local Similarity  58.3%; Pred. No: 91; Score: 36; DB: 7; Length: 1035;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Db      651 HTYEDPNQAVLK 662

RESULT 11
US-11-074-176-320
Sequence 320, Application US/11074176
Publication No. US20050250135A1

GENERAL INFORMATION:
;   APPLICANT: Davies, Huw Alun
;   APPLICANT: McGuire, James
;   APPLICANT: Simonsen, Anja Hviid
;   APPLICANT: Blennow, Kaij

Query Match      6 NAYOKANQAVLK 17
Best Local Similarity  58.3%; Pred. No: 91; Score: 36; DB: 7; Length: 1035;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Db      651 HTYEDPNQAVLK 662

RESULT 12
US-11-074-176-68
Sequence 68, Application US/11074176
Publication No. US20050250135A1

GENERAL INFORMATION:
;   APPLICANT: Klaenhammer, Todd R.
;   APPLICANT: Russell, William M.
;   APPLICANT: Altermann, Eric C.
;   APPLICANT: McAuliffe, Olivia.
;   APPLICANT: Peril, Andrea Arcarate
;   TITLE OF INVENTION: Nucleic Acid Sequences Encoding
;   LENGTH: Stress-Related Proteins and Uses Therefore
;   FILE REFERENCE: 5051-694
;   CURRENT APPLICATION NUMBER: US/11/074,176
;   CURRENT FILING DATE: 2005-03-07
;   PRIOR APPLICATION NUMBER: 60/551,161
;   PRIOR FILING DATE: 2004-03-08
;   NUMBER OF SEQ ID NOS: 381
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO: 68
;   TYPE: PRT
;   ORGANISM: Lactobacillus acidophilus
US-11-074-176-68

Query Match      3 KAKNAYOKANQAVLKAKEA 21
Best Local Similarity  42.1%; Pred. No: 59; Score: 35; DB: 7; Length: 554;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

Db      382 EAKNAFKALTKGGLSDKEA 400

RESULT 13
US-10-982-545-12
Sequence 12, Application US/10982545
Publication No. US20050244890A1

GENERAL INFORMATION:
;   APPLICANT: Davies, Huw Alun
;   APPLICANT: McGuire, James
;   APPLICANT: Simonsen, Anja Hviid
;   APPLICANT: Blennow, Kaij

Query Match      3 KAKNAYOKANQAVLKAKEA 21
Best Local Similarity  42.1%; Pred. No: 61; Score: 35; DB: 7; Length: 570;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

Db      398 EAKNAFKALTKGGLSDKEA 416

```

APPLICANT: Podust, Vladimir  
 ORGANISM: Cibhergen Biosystems, Inc.  
 TITLE OF INVENTION: Biomarkers for Alzheimer's Disease

CURRENT APPLICATION NUMBER: US 10/982,545  
 CURRENT FILING DATE: 2004-11-06  
 PRIOR APPLICATION NUMBER: US 60/518,360  
 PRIOR FILING DATE: 2003-11-07  
 PRIOR APPLICATION NUMBER: US 60/526,753  
 PRIOR FILING DATE: 2003-12-02  
 PRIOR APPLICATION NUMBER: US 60/546,423  
 PRIOR FILING DATE: 2004-02-19  
 PRIOR APPLICATION NUMBER: US 60/547,250  
 PRIOR FILING DATE: 2004-02-23  
 PRIOR APPLICATION NUMBER: US 60/558,896  
 PRIOR FILING DATE: 2004-04-02  
 PRIOR APPLICATION NUMBER: US 60/572,617  
 PRIOR FILING DATE: 2004-05-18  
 PRIOR APPLICATION NUMBER: US 60/586,503  
 PRIOR FILING DATE: 2004-07-08  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 12  
 LENGTH: 677  
 TYPE: PRT  
 ORGANISM: Homo sapiens

FEATURE:  
 OTHER INFORMATION: Chromogramin B precursor

FEATURE:  
 NAME/KEY: SIGNAL  
 LOCATION: (1)..(20)  
 OTHER INFORMATION: signal peptide

FEATURE:  
 NAME/KEY: PEPTIDE  
 LOCATION: (21)..(677)  
 OTHER INFORMATION: Chromogramin B (Secretogranin I)

FEATURE:  
 NAME/KEY: PEPTIDE  
 LOCATION: (326)..(385)  
 OTHER INFORMATION: biomarker peptide 7258 Da, processed fragment of Chromogramin B

FEATURE:  
 NAME/KEY: MOD\_RES  
 LOCATION: (341)  
 OTHER INFORMATION: Xaa = sulfotyrosine

US-10-982-545-12

Query Match 28.2%; Score 35; DB 1; Length 677;  
 Best Local Similarity 35.0%; Pred. No. 75;  
 Matches 7; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

Qy 1 YEKAKNAYKANQAVLAKRE  
 Db 633 HQEAENEKDRADQTFLTEDE 652

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RESULT 14  
 US-10-510-386-2  
 Sequence 2, Application US/10510386  
 Publication No. US20050244922A1  
 GENERAL INFORMATION:  
 APPLICANT: Andersen, Jens Tonne  
 APPLICANT: Clausen, Ib Groth  
 APPLICANT: Jorgensen, Steen Troels  
 APPLICANT: Olsen, Peter Bjarke  
 APPLICANT: Rasmussen, Michael Dolberg  
 TITLE OF INVENTION: Improved Bacillus Host Cell  
 FILE REFERENCE: 10294\_204-US  
 CURRENT APPLICATION NUMBER: US/10/510,386  
 CURRENT FILING DATE: 2004-10-04  
 NUMBER OF SEQ ID NOS: 248  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO: 218  
 LENGTH: 1432  
 TYPE: PRT  
 ORGANISM: Bacillus licheniformis

US-10-510-386-218

Query Match 28.2%; Score 35; DB 1; Length 1432;  
 Best Local Similarity 41.7%; Pred. No. 2e+02;  
 Matches 10; Conservative 3; Mismatches 7; Indels 4; Gaps 1;

Qy 4 AKNAYQKANQAV---LKAKEASS 23  
 Db 95 AKTEYQRSAVVSALLVRKADESOS 118

Search completed: November 22, 2005, 20:54:14  
 Job time : 2.65289 secs

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Result No.	Score	Query	Match	Length	DB	ID	Description	SUMMARIES
1	124	100.0	25	4	US-10-294-770-11		Sequence 11, App1	RESULT 1 US-10-294-770-11 ; Sequence 11, Application US/10294770 ; Publication No. US2003016184081
2	124	100.0	25	4	US-10-774-602-11		Sequence 11, App1	
3	124	100.0	188	5	US-10-691-672A-7		Sequence 7, App1	
4	116	93.5	64	4	US-10-294-770-1		Sequence 1, App1	
5	116	93.5	64	4	US-10-238-741-1		Sequence 1, App1	
6	116	93.5	64	4	US-10-774-602-1		Sequence 1, App1	
7	96	77.4	23	4	US-10-294-770-2		Sequence 2, App1	
8	96	77.4	23	4	US-10-238-741-2		Sequence 2, App1	
9	96	77.4	23	4	US-10-774-602-2		Sequence 2, App1	
10	53	42.7	463	6	US-11-097-143-5967		Sequence 5967, Ap	
11	51.5	41.5	866	4	US-10-437-963-203902		Sequence 2039, Ap	
12	51.5	41.5	1109	4	US-10-437-963-203905		Sequence 2039, Ap	
13	50	40.3	79	4	US-10-177-725-16		Sequence 16, App1	RESULT 2 US-10-774-602-11 ; Sequence 11, Application US/10774602 ; Publication No. US20040141987A1
14	50	40.3	79	4	US-10-177-725-20		Sequence 20, App1	
15	50	40.3	79	4	US-10-177-725-16		Sequence 66, App1	
16	50	40.3	79	4	US-10-177-725-10		Sequence 70, App1	
17	50	40.3	79	4	US-10-393-449-16		Sequence 16, App1	
18	50	40.3	79	4	US-10-393-449-20		Sequence 20, App1	
19	50	40.3	79	4	US-10-393-449-66		Sequence 66, App1	
20	50	40.3	79	4	US-10-393-449-70		Sequence 70, App1	
21	50	40.3	230	5	US-10-501-82-4380		Sequence 4380, Ap	
22	50	40.3	1161	4	US-10-282-122A-694A0		Sequence 694A, Ap	
23	48.5	39.1	223	5	US-10-732-923-2244		Sequence 2244, Ap	
24	48.5	39.1	227	5	US-10-732-923-2245		Sequence 2245, Ap	
25	48.5	39.1	802	4	US-10-437-963-149821		Sequence 149821,	
26	48.5	39.1	1170	4	US-10-437-963-149705		Sequence 149705,	
27	48.5	39.1	1313	4	US-10-437-963-149939		Sequence 149939,	

## ALIGNMENTS

Title: US-10-774-602-11  
 Perfect score: 124  
 Sequence: 1 YEKAKNAYQKANQAVLKAKEASSYD 25

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_AA\_Main:  
 1: /cgns\_6/ptodata/1/pubpa/US07\_PUBCOMB.pep:  
 2: /cgns\_6/ptodata/1/pubpa/US08\_PUBCOMB.pep:  
 3: /cgns\_6/ptodata/1/pubpa/US09\_PUBCOMB.pep:  
 4: /cgns\_6/ptodata/1/pubpa/US10\_PUBCOMB.pep:  
 5: /cgns\_6/ptodata/1/pubpa/US10B\_PUBCOMB.pep:  
 6: /cgns\_6/ptodata/1/pubpa/US11\_PUBCOMB.pep:  
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

RESULT 1  
 US-10-294-770-11  
 ; Sequence 11, Application US/10294770  
 ; General Information: DRUILHE, PIERRE ; Title of Invention: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES ; Applicant: DRUILHE, PIERRE ; File Reference: 2307590UCIP ; Current Application Number: US/10/294-770 ; Current Filing Date: 2002-11-15 ; Prior Application Number: US 09/356, 947 ; Prior Filing Date: 1999-07-19 ; Prior Application Number: US 08/416, 711 ; Prior Filing Date: 1995-08-08 ; Prior Application Number: PCT/FR93/01024 ; Prior Filing Date: 1993-10-18 ; Number of SEQ ID NOS: 14 ; SEQ ID NO: 11 ; Type: PRT ; Organism: Artificial Sequence ; Feature: OTHER INFORMATION: Synthetic Peptide ; Other Information: PatentIn version 3.1 ; LENGTH: 25

Query Match Best Local Similarity 100.0%; Score 124; DB 4; DB 4; Length 25;  
 Matches 25; Conservative 0; Mismatches 0; Indexes 0; Gaps 0;

Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25  
 Db 1 YEKAKNAYQKANQAVLKAKEASSYD 25

General Information: DRUILHE, PIERRE ; Title of Invention: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES ; Applicant: DRUILHE, PIERRE ; File Reference: 2487910SDIV ; Current Application Number: US/10/774-602 ; Current Filing Date: 2004-02-10 ; Prior Application Number: US 09/356, 947 ; Prior Filing Date: 1999-07-19 ; Prior Application Number: US 10/238, 741 ; Prior Filing Date: 2002-09-11 ; Prior Application Number: US 08/416, 711

PRIOR FILING DATE: 1995-08-08  
 PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 PRIOR FILING DATE: 1993-10-18  
 NUMBER OF SEQ ID NOS: 14  
 SEQ ID NO: 11  
 LENGTH: 25  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Synthetic Peptide  
 US-10-774-602-11

Query Match Best Local Similarity 100.0%; Score 124; DB 4; Length 25;  
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 5  
 US-10-294-770-1  
 ; Sequence 1, Application US/10238741  
 ; Publication No. US20040096456A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; BOUHAROUN-TAYOUN, HASNAO  
 ; OUEURAY, CLAUDE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING  
 ; PROTECTIVE ANTIBODIES  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 ; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 ; CITY: ARLINGTON  
 ; STATE: VA  
 ; COUNTRY: USA  
 ; ZIP: 22202  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/238,741  
 ; FILING DATE: 09-Nov-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/356,497  
 ; FILING DATE: 19-Jul-1999  
 ; APPLICATION NUMBER: US/08/416,711  
 ; FILING DATE: 08-AUG-1995  
 ; APPLICATION NUMBER: PCT/FR93/01024  
 ; FILING DATE: 18-OCT-1993  
 ; APPLICATION NUMBER: FR 92/12488  
 ; FILING DATE: 19-OCT-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: OBLON, NORMAN F.  
 ; REGISTRATION NUMBER: 24,618  
 ; REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 703-513-3000  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 64 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: Peptide  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 ; US-10-238-741-1  
 Query Match Best Local Similarity 92.0%; Score 116; DB 4; Length 64;  
 Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25  
 Db 1 HERAKNAYQKANQAVLKAKEASSYD 25

RESULT 3  
 US-10-691-672A-7  
 ; Sequence 7, Application US/10691672A  
 ; Publication No. US2005012133A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: GLUTP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND  
 ; MALARIAL VACCINES CONTAINING IT  
 ; FILE REFERENCE: 02156.0085  
 ; CURRENT APPLICATION NUMBER: US/10/691,672A  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SEQ ID NO: 7  
 ; LENGTH: 188  
 ; TYPE: PRT  
 ; ORGANISM: Plasmodium falciparum  
 ; FEATURE: SITE  
 ; NAME/KEY: SITE  
 ; LOCATION: (1) . . . (188)  
 ; OTHER INFORMATION: MSP3a to MSP3f  
 US-10-691-672A-7

Query Match Best Local Similarity 100.0%; Score 124; DB 5; Length 188;  
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4  
 US-10-294-770-1  
 ; Sequence 1, Application US/10294770  
 ; Publication No. US20030161840A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DRUILHE, PIERRE  
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES  
 ; FILE REFERENCE: 230759US0CIP  
 ; CURRENT APPLICATION NUMBER: US/10/294,770  
 ; CURRENT FILING DATE: 2002-11-15  
 ; PRIOR APPLICATION NUMBER: US 09/356,947  
 ; PRIOR FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 08/416,711  
 ; PRIOR FILING DATE: 1995-08-08  
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024  
 ; PRIOR FILING DATE: 1993-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO: 1

Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25

Db 1 HERAKNAYQKANQAVLKAKEASSYD 25

RESULT 6

US-10-774-602-1

Sequence 1, Application US/10774602

Publication No. US20040141987A1

GENERAL INFORMATION:

APPLICANT: DRUILHE, PIERRE

FILE REFERENCE: 24891USDIV

CURRENT FILING DATE: 2004-02-10

PRIOR APPLICATION NUMBER: US 09/356,947

PRIOR FILING DATE: 1999-07-19

PRIOR FILING DATE: 2002-09-11

PRIOR FILING DATE: 1995-08-08

PRIOR APPLICATION NUMBER: PCT/FR93/01024

NUMBER OF SEQ ID NOs: 14

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 64

TYPE: PRT

ORGANISM: Plasmodium falciparum  
US-10-774-602-1

Query Match 93.5%; Score 116; DB 4; Length 64;

Best Local Similarity 92.0%; Pred. No. 1.2e-08; Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25

Db 1 HERAKNAYQKANQAVLKAKEASSYD 25

GENERAL INFORMATION:

APPLICANT: DRUILHE, PIERRE

FILE REFERENCE: 230759USCIP

CURRENT FILING DATE: 2002-11-15

PRIOR APPLICATION NUMBER: US 09/356,947

PRIOR FILING DATE: 1999-07-19

PRIOR FILING DATE: 1995-08-08

PRIOR APPLICATION NUMBER: PCT/FR93/01024

NUMBER OF SEQ ID NOs: 14

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 23

TYPE: PRT

ORGANISM: Plasmodium falciparum  
US-10-294-770-2

Query Match 77.4%; Score 96; DB 4; Length 23;

Best Local Similarity 84.0%; Pred. No. 2.4e-06; Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25

Db 1 HERAKNAYQKANQAVL--KEASSYD 23

GENERAL INFORMATION:

APPLICANT: DRUILHE, PIERRE

FILE REFERENCE: 248791US0DIV

CURRENT APPLICATION NUMBER: US/10/774,602

CURRENT FILING DATE: 2004-02-10

PRIOR APPLICATION NUMBER: US 09/356,947

RESULT 9

US-10-774-602-2

Sequence 2, Application US/10774602

Publication No. US20040141987A1

GENERAL INFORMATION:

APPLICANT: DRUILHE, PIERRE

TITLE OF INVENTION: PLASMODIUM FALCI PARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES

FILE REFERENCE: 248791US0DIV

CURRENT APPLICATION NUMBER: US/10/774,602

CURRENT FILING DATE: 2004-02-10

PRIOR APPLICATION NUMBER: US 09/356,947

RESULT 8

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; PRIORITY FILING DATE: 1999-07-19
; PRIORITY APPLICATION NUMBER: US 10/238,741
; PRIORITY FILING DATE: 2002-09-11
; PRIORITY APPLICATION NUMBER: US 08/416,711
; PRIORITY FILING DATE: 1995-08-08
; PRIORITY APPLICATION NUMBER: PCT/FR93/01024
; PRIORITY FILING DATE: 1993-10-18
; PRIORITY SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-2

Query Match 77.4%; Score 96; DB 4; Length 23;
Best Local Similarity 84.0%; Pred. No. 2.4e-06;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25
Db 1 HERAKNAYQKANQAVL--KEASSYD 23

RESULT 10
FILE REFERENCE: CL00728
CURRENT APPLICATION NUMBER: US/11/097,143
CURRENT FILING DATE: 2005-04-04
PRIOR APPLICATION NUMBER: 60/157,832
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: 60/161,932
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 60/164,769
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5967
LENGTH: 463
TYPE: PRT
ORGANISM: DROSOPHILA
US-11-097-143-5967

Query Match 42.7%; Score 53; DB 6; Length 463;
Best Local Similarity 47.8%; Pred. No. 57;
Matches 11; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23
Db 414 YEAREEYVQEAATVKADAKS 436

RESULT 11
US-10-437-963-203902
; Sequence 203902, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; Application No. US20040123343A1
; Publication No. US20040123343A1
; Best Local Similarity 52.2%; Pred. No. 1.8e+02;
; Matches 12; Conservative 5; Mismatches 5; Indels 1; Gaps 1;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23
Db 432 FEKA-NEYAKADDAVILASKQSGS 453

RESULT 12
FILE REFERENCE: US-10-437-963-203905
SEQUENCE 203905, Application US/10437963
; Sequence 203905, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; Application No. US20040123343A1
; Best Local Similarity 52.2%; Pred. No. 1.8e+02;
; Matches 12; Conservative 5; Mismatches 5; Indels 1; Gaps 1;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23
Db 432 FEKA-NEYAKADDAVILASKQSGS 453

RESULT 13
FILE REFERENCE: US-10-437-963-203905
SEQUENCE 203905, Application US/10437963
; Sequence 203905, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; Application No. US20040123343A1
; Best Local Similarity 52.2%; Pred. No. 1.8e+02;
; Matches 12; Conservative 5; Mismatches 5; Indels 1; Gaps 1;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23
Db 252 FEKA-NEYAKADDAVILASKQSGS 273

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RESULT 13  
US-10-177-725-16  
; Sequence 16, Application US/10177725  
; Publication No. US20030143562A1

; GENERAL INFORMATION:

; APPLICANT: Anderson, David

; APPLICANT: Bogenberger, Jakob M.

; APPLICANT: Peele, Beau R.

; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S

; FILE REFERENCE: A-66900-4/RMS/AMS

; CURRENT APPLICATION NUMBER: US/10/177,725

; CURRENT FILING DATE: 2002-06-20

; PRIOR APPLICATION NUMBER: US 09/415,765

; PRIOR FILING DATE: 1999-10-08

; PRIOR APPLICATION NUMBER: US 09/169,015

; PRIOR FILING DATE: 1998-10-08

; NUMBER OF SEQ ID NOS: 173

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 16

; LENGTH: 79

; TYPE: PRT

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: synthetic

US-10-177-725-16

Query Match 40.3%; Score 50; DB 4; Length 79;

Best Local Similarity 63.2%; Pred. No. 21; Mismatches 6; Indels 0; Gaps 0;

Qy 3 KAKNAYQKANOAVLKAKEA 21

Db 58 KAKEAAKAKAEAAKAKEA 76

RESULT 14

US-10-177-725-20  
; Sequence 20, Application US/10177725

; Publication No. US20030143562A1

; GENERAL INFORMATION:

; APPLICANT: Anderson, David

; APPLICANT: Bogenberger, Jakob M.

; APPLICANT: Peele, Beau R.

; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S

; FILE REFERENCE: A-66900-4/RMS/AMS

; CURRENT APPLICATION NUMBER: US/10/177,725

; CURRENT FILING DATE: 2002-06-20

; PRIOR APPLICATION NUMBER: US 09/415,765

; PRIOR FILING DATE: 1999-10-08

; PRIOR APPLICATION NUMBER: US 09/169,015

; PRIOR FILING DATE: 1998-10-08

; NUMBER OF SEQ ID NOS: 173

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 20

; LENGTH: 79

; TYPE: PRT

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: synthetic

US-10-177-725-20

Query Match 40.3%; Score 50; DB 4; Length 79;

Best Local Similarity 63.2%; Pred. No. 21; Mismatches 6; Indels 0; Gaps 0;

Qy 3 KAKNAYQKANOAVLKAKEA 21

Db 58 KAKEAAKAKAEAAKAKEA 76

RESULT 15

US-10-177-725-66  
; Sequence 66, Application US/10177725

; Publication No. US20030143562A1

; GENERAL INFORMATION:

; APPLICANT: Bogenberger, Jakob M.

; APPLICANT: Peele, Beau R.

; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S

; FILE REFERENCE: A-66900-4/RMS/AMS

; CURRENT APPLICATION NUMBER: US/10/177,725

; CURRENT FILING DATE: 2002-06-20

; PRIOR APPLICATION NUMBER: US 09/415,765

; PRIOR FILING DATE: 1999-10-08

; PRIOR APPLICATION NUMBER: US 09/169,015

; PRIOR FILING DATE: 1998-10-08

; NUMBER OF SEQ ID NOS: 173

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 20

; LENGTH: 79

; TYPE: PRT

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: synthetic

Search completed: November 22, 2005, 20:53:59  
Job time : 73.314 secs

Query Match 40.3%; Score 50; DB 4; Length 79;

Best Local Similarity 63.2%; Pred. No. 21; Mismatches 6; Indels 0; Gaps 0;

Qy 3 KAKNAYQKANOAVLKAKEA 21

Db 58 KAKEAAKAKAEAAKAKEA 76



GenCore version 5.1.6  
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Om protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 15:7025 Seconds  
 (without alignments)  
 131.628 Million cell updates/sec

Title: US-10-774-602-11  
 Sequence: 1 YEKAKNAYQKANQAVLKAKEASSYD 25

Scoring table: BLOSUM62  
 Gapext 10.0 , Gapext 0.5

Searched: 572060 seqs., 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 10.0%

Listing first 45 summaries:

Database :	Issued Patents AA: 1: /cgm2_6/ptodata/1/iaa/5_COMB.pep: 2: /cgm2_6/ptodata/1/iaa/6_COMB.pep: 3: /cgm2_6/ptodata/1/iaa/H_COMB.pep: 4: /cgm2_6/ptodata/1/iaa/PCTUS.COMB.pep: 5: /cgm2_6/ptodata/1/iaa/RE_COMB.pep: 6: /cgm2_6/ptodata/1/iaa/backfiles1.pep: 
Pred. No.	is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

RESULT 1  
 US-08-416-711-1  
 Sequence 1, Application US/08416711  
 ; Patent No. 6017538

GENERAL INFORMATION:

APPLICANT: DRUILHE, PIERRE  
 APPLICANT: BOJHAROUN TAYOUN, HASNAQ  
 APPLICANT: OUVRAY, CLAUDE  
 TITLE OF INVENTION: PLASMIDUM FALCI PARUM ANTIGENS INDUCING NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 ADDRESSEE: P. C.  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-AUG-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 18-OCT-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: FR 92/12488  
 FILING DATE: 19-OCT-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-413-3000  
 TELEFAX: 703-413-2220  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 64 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPology: linear  
 MOLECULE TYPE: peptide  
 US-08-416-711-1

Result No.	Score	Query Match	Length	DB ID	Description
1	116	93.5	64	2 US-08-416-711-1	Sequence 1, Appli
2	116	93.5	64	2 US-09-356-497-1	Sequence 1, Appli
3	116	93.5	64	2 US-10-238-741-1	Sequence 1, Appli
4	96	77.4	23	2 US-08-416-711-2	Sequence 2, Appli
5	96	77.4	23	2 US-09-356-497-2	Sequence 2, Appli
6	96	77.4	23	2 US-10-238-741-2	Sequence 2, Appli
7	52	41.9	117	2 US-09-902-540-16285	Sequence 16285, A
8	50	40.3	28	1 US-08-303-025-12	Sequence 12, Appli
9	50	40.3	28	1 US-08-436-7038-1	Sequence 1, Appli
10	50	40.3	29	1 US-08-152-488-10	Sequence 10, Appli
11	50	40.3	29	1 US-08-152-488-11	Sequence 11, Appli
12	50	40.3	29	1 US-08-303-025-10	Sequence 10, Appli
13	50	40.3	32	1 US-08-303-025-11	Sequence 11, Appli
14	50	40.3	29	1 US-08-303-025-13	Sequence 13, Appli
15	50	40.3	29	1 US-08-677-304-13	Sequence 10, Appli
16	50	40.3	29	1 US-08-677-304-11	Sequence 11, Appli
17	50	40.3	29	1 US-08-436-703B-3	Sequence 3, Appli
18	50	40.3	29	1 US-08-436-703B-15	Sequence 15, Appli
19	50	40.3	32	1 US-08-152-488-13	Sequence 13, Appli
20	50	40.3	32	1 US-08-303-025-15	Sequence 15, Appli
21	50	40.3	32	1 US-08-677-304-13	Sequence 13, Appli
22	50	40.3	32	1 US-08-436-703B-2	Sequence 2, Appli
23	50	40.3	33	1 US-08-303-025-16	Sequence 16, Appli
24	50	40.3	33	1 US-08-436-703B-4	Sequence 4, Appli
25	50	40.3	79	2 US-10-177-725-16	Sequence 16, Appli
26	50	40.3	79	2 US-10-177-725-20	Sequence 20, Appli
27	50	40.3	79	2 US-10-177-725-66	Sequence 66, Appli

Query Match 93.5% ; Score 116; DB 2; Length 64;  
 Best Local Similarity 92.0% ; Pred. No. 6.8e-10;  
 Matches 23; Conservative 2; Mismatches 0; Indels 0; Gap 0;

Y 1 YEKAKNAYOKANQAVLKAKEASSYD 25  
 O 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 2  
 -3-09-356-497-1  
 Sequence 1, Application US/09356497  
 Patent No. 6472519  
 GENERAL INFORMATION :  
 APPLICANT: DRUILHE, PIERRE BOUCHAROUN, TAYOUN, HASNAQ OUEVRAY, CLAUDE  
 TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING NUMBER OF SEQUENCES: 10  
 PROTECTIVE ANTIBODIES CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/356,497  
 FILING DATE: 19-JUL-1999  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-ALG-1995  
 APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 18-OCT-1993  
 APPLICATION NUMBER: FR 92/12488  
 FILING DATE: 19-OCT-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-413-3000  
 TELEFAX: 703-413-2220  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 64 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 -3-09-356-497-1  
 Query Match 93.5% ; Score 116; DB 2; Length 64;  
 Best Local Similarity 92.0% ; Pred. No. 6.8e-10;  
 Matches 23; Conservative 2; Mismatches 0; Indels 0; Gap 0;

Y 1 YEKAKNAYOKANQAVLKAKEASSYD 25  
 O 1 HERAKNAYOKANQAVLKAKEASSYD 25

ADDRESSEE: P.C. JEFFERSON DAVIS HIGHWAY  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY  
 CITY: ARLINGTON  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-AUG-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 18-OCT-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: FR 92/12488  
 FILING DATE: 19-OCT-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 660-085-0 PCT  
 TELEPHONE: 703-413-3000  
 TELEFAX: 703-413-2220  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 23 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 US-09-356-497-2

RESULT 5  
 US-09-356-497-2

Query Match 77.4%; Score 96; DB 2; Length 23;  
 Best Local Similarity 84.0%; Pred. No. 1.8e-07;  
 Matches 2; Mismatches 0; Indels 2; Gaps 1;

Qy 1 YEKAKNAYOKANQAVLKAKEASSYD 25  
 Db 1 HERAKNAYOKANQAVL--KEASSYD 23

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 PATENT NO. 6949627  
 GENERAL INFORMATION:  
 APPLICANT: DRUILHE, PIERRE  
 BOUHAROUN-TAYOUN, HASNAQ  
 OEUVRAY, CLAUDE  
 TITLE OF INVENTION: PLASMODIUM FALCIPIARUM ANTIGENS INDUCING  
 NUMBER OF SEQUENCES: 10  
 COUNTRY: USA  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/238,741  
 FILING DATE: 09-No. 6949627-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/09/356,497  
 FILING DATE: 19-Jul-1999  
 APPLICATION NUMBER: US/08/416,711  
 FILING DATE: 08-AUG-1995  
 APPLICATION NUMBER: PCT/FR93/01024  
 FILING DATE: 19-OCT-1993  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/356,497  
 FILING DATE: 19-Jul-1999

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REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-085-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-238-741-2

RESULT 7
US-09-902-540-16285
; Sequence 16285, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 3B-10(1549)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16285
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16285

Query Match          77.4%; Score 96; DB 2; Length 23;
Best Local Similarity 84.0%; Pred. No. 1.8e-07;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps
Qy      1 YEKAKNAYOKANQANDAVLKAKEAASSYD 25
Db      1 HEKAKNAYOKANQAVL--KEAASSYD 23

RESULT 8
US-08-03-025-12
; Sequence 12, Application US/08303025
; Patent No. 561494
; GENERAL INFORMATION:
; APPLICANT: Wakefield, Thomas W.
; APPLICANT: Andrews, Philip C.
; APPLICANT: Stanley, James C.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benita J. Rohm, Esq.
; ADDRESS: 150 West Jefferson, Suite 2500
; STATE: Michigan
; COUNTRY: United States of America
; CITY: Detroit

Query Match          41.9%; Score 52; DB 2; Length 117;
Best Local Similarity 45.5%; Pred. No. 2.8e-08;
Matches 10; Conservative 7; Mismatches 6; Indels 0; Gaps
Qy      3 KANAYOKANQANDAVLKAKEAASSYD 25
Db      25 RRKNCYKRANEAVERALDYASRD 47


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CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/436,703B  
 FILING DATE: 08-MAY-1995

PRIOR APPLICATION: 514

APPLICATION NUMBER: N/A

FILING DATE: N/A

ATTORNEY/AGENT INFORMATION:

NAME: Rohm, Benita J.

REFERENCE/DOCKET NUMBER: 28,664

TELECOMMUNICATION INFORMATION:

TELEFAX: 313-965-1951

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

TELEPHONE: 908-276-3344  
 TELEFAX: 908-276-5533  
 INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 29 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

RESULT 10  
 US-08-152-488-10

Query Match Score 50%; DB 1; Length 28;  
 Best Local Similarity 52.4%; Pred. No. 1.1;  
 Matches 11; Conservative 5; Mismatches 0;  
 Indels 0; Gaps 0;

Qy 2 EKAKNAYQKANOQAVKAKEAS 22  
 Db 3 KKAKAAKAKKAQKAKKAKCAA 23

RESULT 11  
 US-08-152-488-11

Sequence 10, Application US/08152488

Patent No. 5534619

GENERAL INFORMATION:

APPLICANT: Wakefield, Thomas W.

APPLICANT: Andrews, Phillip C.

APPLICANT: Stanley, James C.

TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND

LOW MOLECULAR WEIGHT HEPARIN

TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN

TITLE OF INVENTION: ANTI COAGULATION REVERSAL

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESS: Benita J. Rohn, Esq.

STREET: 512 Springfield Avenue

CITY: Cranford

STATE: New Jersey

ZIP: 07016-1811

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Wordperfect 6; ASCII (DOS) Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/152,488

FILING DATE: 12-NOV-1993

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/08069

FILING DATE: 14-AUG-1993

TELEPHONE: 908-276-3344

ATTORNEY/AGENT INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: 28,664

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

REFERENCE/DOCKET NUMBER: RM-7WG

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REFERENCE/DOCKET NUMBER: RM-7WG

TELECOMMUNICATION INFORMATION:

NAME: Rohm, Benita J.

REGISTRATION NUMBER: RM-7WG

ORIGINAL SOURCE:  
ORGANISM: N/A  
PUBLICATION INFORMATION:  
AUTHORS: N/A  
TITLE: N/A  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: PCT/US92/08069  
FILING DATE: 14-AUG-1993  
US-08-152-488-11

Query Match Score 50; DB 1; Length 29;  
Best Local Similarity 52.4%; Pred. No. 1.2;  
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 2 EKAKNAYOKANOAVLAKAKEAS 22  
Db 7 KRAKKAAKKAACKAKKAA 27

---

RESULT 12  
US 08-303-025-10  
Sequence 10, Application US/08303025  
GENERAL INFORMATION  
PATENT NO. 5614494  
APPLICANT: Wakefield, Thomas W.  
APPLICANT: Andrews, Philip C.  
APPLICANT: Stanley, James C.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND  
TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN  
TITLE OF INVENTION: ANTICOAGULATION REVERSAL  
NUMBER OF SEQUENCES: 16  
CITY: Detroit  
STATE: Michigan  
COUNTRY: United States of America  
ZIP: 48226-4415  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Benita J. Rohm, Esq.  
STREET: 150 West Jefferson, Suite 2500  
CITY: Detroit  
STATE: Michigan  
COUNTRY: United States of America  
ZIP: 48226-4415  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: MS-DOS v.6.22  
SOFTWARE: Wordperfect 6.1; ASCII (DOS) Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/303,025  
FILING DATE: 08-SEPT-1994  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US92/06829  
FILING DATE: 14-AUG-1992  
APPLICATION NUMBER: US 08/152,488  
FILING DATE: 12-NOV-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Rohm, Benita J.  
REFERENCE/DOCKET NUMBER: 7WH-060548-00231  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 313-496-7622  
TELEFAX: 313-496-8454  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 amino acids  
TYPE: amino acid  
STRANDEDNESS: N/A  
TOPOLOGY: N/A  
MOLECULE TYPE: peptide  
ORIGINAL SOURCE:  
ORGANISM: N/A  
PUBLICATION INFORMATION:  
AUTHORS: N/A  
TITLE: N/A  
DOCUMENT NUMBER: PCT/US92/08069  
FILING DATE: 14-AUG-1993  
US-08-303-025-11

Query Match Score 50; DB 1; Length 29;  
Best Local Similarity 52.4%; Pred. No. 1.2;  
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 2 EKAKNAYOKANOAVLAKAKEAS 22  
Db 7 KRAKKAAKKAACKAKKAA 27

---

ORIGINAL SOURCE:  
ORGANISM: N/A  
PUBLICATION INFORMATION:  
AUTHORS: N/A  
TITLE: N/A  
PUBLICATION NUMBER: PCT/US92/08069  
FILING DATE: 14-AUG-1993  
US-08-303-025-10

RESULT 14  
 US-08-303-025-13  
 Sequence 13, Application US/08303025  
 GENERAL INFORMATION:  
 APPLICANT: Wakefield, Thomas W.  
 APPLICANT: Andrews, Philip C.  
 APPLICANT: Stanley, James C.  
 TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND LOW MOLECULAR WEIGHT HEPARIN ANTICOAGULATION REVERSAL  
 TITLE OF INVENTION: ANTI-COAGULATION REVERSAL  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Benita J. Rohm, Esq.  
 STREET: 150 West Jefferson, Suite 2500  
 CITY: Detroit  
 STATE: Michigan  
 COUNTRY: United States of America  
 ZIP: 48226-4415  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: MS-DOS v.6.22  
 SOFTWARE: WordPerfect 6.1; ASCII (DOS) Text  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/303, 025  
 FILING DATE: 08-SEPT-1994  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US92/06829  
 FILING DATE: 14-AUG-1992  
 APPLICATION NUMBER: US/08/152, 488  
 FILING DATE: 12-NOV-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Rohm, Benita J.  
 REFERENCE/DOCKET NUMBER: 7WH-060548-00231  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 313-496-7622  
 TELEFAX: 313-496-8454  
 INFORMATION FOR SEQ ID NO: 13:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 29 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: N/A  
 TOPOLOGY: N/A  
 MOLECULE TYPE: peptide  
 ORIGINAL SOURCE:  
 ORGANISM: N/A  
 PUBLICATION INFORMATION:  
 AUTHORS: N/A  
 TITLE: N/A  
 PUBLICATION INFORMATION:  
 DOCUMENT NUMBER: PCT/US92/08069  
 FILING DATE: 14-AUG-1993  
 US-08-303-025-13  
 Query Match 40.3%; Score 50; DB 1; Length 29;  
 Best Local Similarity 52.4%; Prod. No. 1.2; Pred. No. 1.2;  
 Matches 11; Conservative 5; Mismatches 5; In  
 Qy 2 EKAKNAYQKANOQVLAKEAS 22  
 Db 7 KKAKKAQAKKAKKAQAKKAA 27

(c) (5) NMU SOC 18-11